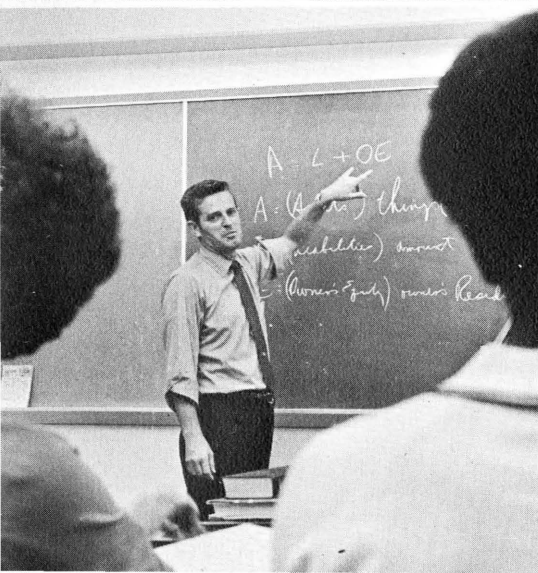
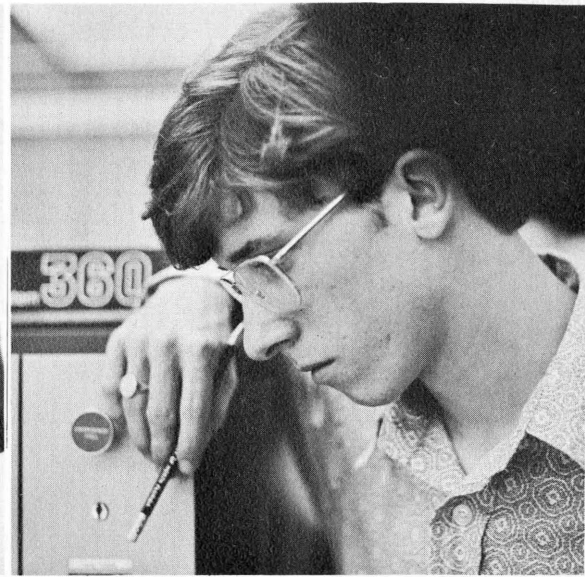


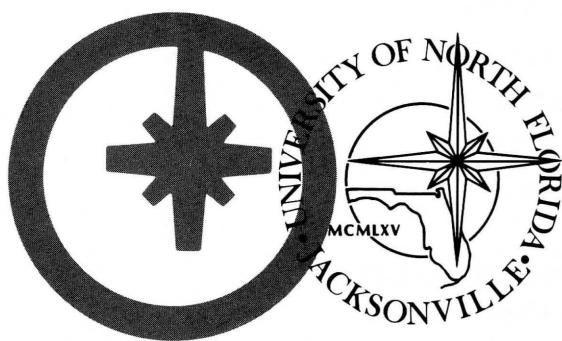
UNIVERSITY OF NORTH FLORIDA





THE SYMBOL OF THE UNIVERSITY OF NORTH FLORIDA

Two ancient devices — the circle and the compass rose — have been adapted to create a graphic symbol for the new University of North Florida. The compass rose, long a direction finding device for mariners, here symbolizes the University's role in providing direction for lives. The placement of the compass rose in the northeast quadrant of the circle describes the new institution's upper division character and its location in the northeast of Florida. The circle itself signifies the community which the University is dedicated to serving. The symbol was inspired by the University of North Florida seal designed under the direction of President Thomas G. Carpenter.



Catalog 1972-73 Part Two

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Vice Chancellor for Academic Affairs

Kenneth E. Penrod, B.S., Ph.D.

Vice Chancellor for Medical and Health Services

PREFACE

This component of the Catalog contains the description of the courses comprising the various curricula of the University. In combination with Part One, a complete picture of the programs of study and their individual components is provided.

The listing of University Officers has been expanded considerably to reflect additional appointments to the faculty and staff.

Unless otherwise indicated, courses will meet a total of five hours, or equivalent, weekly for five credits. Courses will be scheduled on a "time-block" system, with most courses meeting three times weekly or (if scheduled at night) twice weekly.

Venture Studies courses (numbered 960-999) are especially designed for non-majors and generally are not open to majors in their own departments. While all Venture Studies courses are listed within their respective departments, a complete listing of these courses is also included in a separate section of this booklet. A more detailed description of the Venture Studies concept is found in Part One of the Catalog, pages 33-36.

In the course descriptions appearing herein, items of information are listed in the following order: Alphabetic prefix for the discipline; course number; descriptive title; credit value (expressed in quarter hours); prerequisite (if any); description of course. Where credits are preceded by a "v," the credits allowable for the course are "variable," the actual number of credits to be assigned at registration.

University Officers

Thomas Glenn Carpenter, Ph.D. (University of Florida) *President; Professor of Business Administration*

Roy Leland Lassiter, Jr., Ph.D. (University of Florida) *Vice President and Dean of Faculties; Professor of Economics*

Willard Osborne Ash, Ph.D. (Virginia Polytechnic Institute) *Dean of the College of Arts and Sciences; Professor of Mathematical Sciences*

William Ray Baggett, Ed.D. (University of Alabama) *Dean of Students; Associate Professor of Education*

George Wesley Corrick, Ed.D. (University of Florida) *Dean of University Relations and Development*

James Robert Dungan, Ed.D. (University of Florida) *Dean of Planning and Evaluation*

Jim Carlton Haywood, M.Acc. (Florida State University) *C.P.A. Dean of Administrative Affairs*

James Milton Parrish, Ph.D. (University of North Carolina) *Dean of the College of Business Administration; Professor of Business Administration*

Ellis Floyd White, Ed.D. (New York University) *Dean of the College of Education; Professor of Education*

John Stuart Allen, Ph.D. (New York University) *Special Advisor to the President*

Johnny Lester Arnette, Ed.D. (University of Florida) *Associate Dean of Students; Associate Professor of Education and Psychology*

William James Arthur, D.B.A. (University of Virginia) *Chairman of the Department of Accounting; Professor of Accounting*

Amanda Asgill, M.A. (Atlanta University) *Assistant Professor of Education*

Jimmy Floyd Bassett, Ed.D. (East Texas State University) *Assistant Professor Of Education*

Robert Roy Bell, M.A. (University of Florida) *Assistant Professor of Management and Faculty Advisor*

Charles James Bier, Ph.D. (Massachusetts Institute of Technology) *Assistant Professor of Natural Sciences*

Richard Byron Bizot, Ph.D. (University of Virginia) *Associate Professor of English and Faculty Advisor*

Viceola Deloris Blackshear, M.B.A. (Atlanta University) *Instructor of Accounting*

Arthur John Bloomer, M.M. (University of Oklahoma) *Instructor of Music*

Ronald Olan Boatright, Ph.D. (University of Florida) *Assistant Professor of Land Economics*

Ray Douglas Bowman, Ph.D. (California Institute of Technology) *Assistant Professor of Natural Sciences*

Carol Ann Boyles, M.Ed. (University of Florida) *Director of Cooperative Education and Placement*

William Albert Brown, M.M. (Indiana University) *Associate Professor of Music*

Erich Eli Brumbaugh, Ph.D. (University of Virginia) Assistant Professor of Natural Sciences and Faculty Advisor

Evelyn V. Brunson, Ed.D. (University of Oklahoma) Assistant Professor of Education

Curtis D. Bullock, B.S. (University of West Florida) Systems Coordinator

Benjamin Franklin Campbell, B.S. (Florida State University) Director of Admissions

James S. Cangelosi, Ph.D. (Louisiana State University) Assistant Professor of Education

Marcus Lee Casbeer, A.B. (University of Georgia) Director of Records and Registration

Minor Humphrey Chamblin, M.S. (University of Kentucky) Assistant Professor of Psychology

Charles Frank Charles, M.A. (Louisiana State University) Associate Professor Of Art

H. James Clark, Ph.D. (University of Wisconsin) Assistant Professor of English

Dale Lothrop Clifford, Ph.D. (University of Tennessee) Assistant Professor of History

Robert Stuart Cline, Ph.D. (University of Pennsylvania) C.L.U., C.P.C.U. Professor of Insurance

Frederick Miller Cole, Ed.D. (University of Florida) Assistant Professor of Accounting and Faculty Advisor

Eddie Lee Collins, M.A. (Atlanta University) Instructor of Sociology and Social Welfare and Faculty Advisor

Betty Bowman Crippen, M.Ed. (University of Georgia) University Registrar

James Benedict Crooks, Ph.D. (Johns Hopkins University) Chairman of the Department of History, Professor of History

Lance Jorn Dakin, M.B.A., J.D. (University of Chicago) Assistant Professor of Economics and Business Law

Jane Elizabeth Decker, Ph.D. (Washington University) Assistant Professor Of Political Science

Steven M. DeLue, Ph. D. (University of Washington) Assistant Professor of Political Science

Carole Lyle DeMort, Ph.D. (Oregon State University) Assistant Professor of Natural Sciences

George deTarnowsky, Ph.D. (University of Maryland) Assistant Professor of Political Science

Edward David Elgethun, Ph.D. (Colorado State University) Assistant Professor of Mathematical Sciences

Andrew Farkas, M.L.S. (University of California-Berkeley) Director of Libraries; Professor of Library Science

Betty Mae Flinchum, Ph.D. (Louisiana State University) Associate Professor of Education

Robert Clayton Ford, D.B.A. (Arizona State University) Assistant Professor of Management

Jack Sherrick Funkhouser, M.M. (George Peabody College) Director of Instructional Communications; Associate Professor of Music

Philip J. Gearing, Ph.D. (Florida State University) Associate Professor of Education

Donald Knox Graham, M.B.A. (University of Houston) Instructor in Transportation and Faculty Advisor

Laurence Burton Green, Ph.D. (University of Oklahoma) Chairman of the Department of Psychology; Professor of Psychology

Clinton Ward Hancock, B.S. (Citadel) Director of Administrative Services

Robert John Harder, Ed.D. (University of Nebraska) Associate Professor of Education

Gary Lee Harmon, Ph.D. (Indiana University) Chairman of the Department Of Languages and Literature; Professor of Literature and English

Eugene Francis Harrie, B.Arch. (North Dakota State University) A.I.A. University Physical Planning Consultant

Edward Augustine Healy, Ph.D. (University of Connecticut) Chairman of the Department of Natural Sciences; Professor of Natural Sciences

John Martin Hein, M.S.L.S. (Wayne State University) Assistant University Librarian-Serials Librarian

William G. Herrold, Jr., Ed.D. (Brigham Young University) Assistant Professor of Education

John Richard Hirte, M.B.A. (University of Florida) Budget Officer, Instructor of Accounting

Jay Stanley Huebner, Ph.D. (University of California-Riverside) Assistant Professor of Natural Sciences

Jack Thomas Humphries, Ph.D. (University of Florida) Assistant Dean of Faculties; Professor of Natural Sciences

David Andrew Jacobsen, Ed.D. (Arizona State University) Associate Professor of Education

Lucille Dorothy Jans, M.L.S. (University of California-Berkeley) Assistant Director of Libraries for Technical Services and University Librarian-Acquisitions

Rufus Jefferson, Jr., M.Ed. (Florida A&M University) Director of Student Financial Aid

Charles Waldo Jones, M.B.A. (Southern Illinois University) C.L.U. Assistant Professor of Insurance and Faculty Advisor

Robert Pepin Jones, III, M.S.L.S. (Florida State University) Assistant University Librarian-Circulation/Reference Librarian

Joseph Joseph Joseph, Jr., Ph.D. (University of Oklahoma) Assistant Professor of Accounting

Nell Dolby Kannwischer, Ph.D. (Florida State University) Chairman of the Division of Studies in Education; Associate Professor of Education

Joel Kauffman, J.D., L.L.M. (New York University) C.P.A. Professor of Business Law and Accounting

H. Karen Kincheloe, M.A. Ed. (Northern Arizona University) Assistant Professor of Journalism and Business Communications

Richard deRaismes Kip, Ph.D. (University of Pennsylvania) C.L.U., C.P.C.U. Assistant Dean of the College of Business Administration; Chairman of the Department of Finance, Insurance and Land Economics; Professor of Insurance

Johnny Leonardo Kirby, M.Ed. (Florida A&M University) *Director of Student Enrichment; Instructor of Education*

Peter Lewis Kranz, Ph.D. (Utah State University) *Assistant Professor of Psychology*

Leslie Herbert Krieger, Ph.D. (Rutgers University) *Associate Professor of Psychology*

Sudarshan Kumar Kuthiala, Ph.D. (University of Georgia) *Assistant Professor of Sociology*

John Joseph Leeson, Ph.D. (University of Miami) *Assistant Professor of Mathematical Sciences*

Leonard J. Lipkin, Ph.D. (University of Michigan) *Associate Professor of Mathematics*

Lewis Livingston, M.A. (University of Florida) *Director of Public Relations*

R. Grann Lloyd, Ph.D. (New York University) *Chairman of the Division of Studies in Economics and Business; Professor of Economics*

Linda Sue Lockwood, M.L.S. (University of North Carolina-Chapel Hill) *Assistant University Librarian-Assistant Cataloger*

Nicholas Lawrence Lund, Ph.D. (Tulane University) *Assistant Professor of Psychology*

Richard Joseph McArdle, Ph.D. (University of Nebraska) *Chairman of the Department of Elementary and Secondary Education; Associate Professor of Education*

Hildreth Hoke McAshan, Ed.D. (Michigan State University) *Associate Professor of Education*

Robert B. McElreath, Ph.D. (Georgia State University) *Assistant Professor of Financial Management*

Frank Sherman McLaughlin, Ph.D. (University of Florida) *Chairman of the Department of Management, Marketing, and Business Law; Associate Professor of Management*

Kenneth Lowell McMillan, M.F.A. (Cranbrook Academy of Art) *Associate Professor of Art*

Hilton Theodore Meadows, M.Ed. (University of Florida) *L.A. Director of Physical Facilities*

Robert Lenton Mitchell, Ph.D. (Florida State University) *Assistant Dean of Faculties; Associate Professor of Education*

Thomas Merton Mongar, Ph.D. (University of Oregon) *Chairman of the Department of Political Science and Public Administration; Associate Professor of Political Science*

Wellington C. Morton, M.Ed. (Miami University) *Assistant Director of Instructional Communications; Assistant Professor of Art*

Jack Robert Netcher, H.S.D. (Indiana University) *Chairman of the Department of Health and Physical Education; Professor of Education and Director of Intercollegiate Athletics*

Kenneth Stanford Nickerson, Ph.D. (Duke University) *Professor of Psychology and Faculty Advisor*

David Walker Nylen, Ph.D. (University of Florida) *Associate Professor of Marketing*

Robert Lee Paserba, Ed.D. (University of Pittsburgh) Assistant Professor of Education

Joseph McGarity Perry, Ph.D. (Northwestern University) Chairman of the Department of Economics; Associate Professor of Economics

John Franklin Plumb, B.S. (Michigan State University) Director of University Police Services and Public Safety; Instructor of Criminal Justice

Florence Prothman, M.S.L.S. (Florida State University) Associate University Librarian-Cataloging

Christine Elizabeth Rasche, M.A. (Washington University) Assistant Professor of Sociology

Richard Henry Reisinger, M.P.H. (University of Florida) Assistant Professor of Education

Andrew Adolphus Robinson, Ed.D. (Columbia University) Assistant Dean of the College of Education and Chairman of the Department of Administration and Supervision; Associate Professor of Education

Warren Rose, Ph.D. (University of North Carolina) Chairman of the Department of Transportation and Logistics; Professor of Transportation and Logistics

Samuel E. Russell, Ed.D. (University of Pennsylvania) Chairman of the Department of Vocational and Technical Education; Professor of Education

Lowell M. Salter, Ph.D. (University of Arkansas) Assistant Professor of Marketing

Daniel L. Schafer, B.S. (University of North Dakota) Assistant Professor of History

Lynne Susan Schwab, M.A. (University of California-Los Angeles) Assistant Professor of Education

Stephen Leon Shapiro, Ph.D. (University of South Carolina) Assistant Professor of Economics

Fred Hardee Simmons, B.S.A. (University of Florida) C.D.P. Director of Computer Center

James Carroll Simms, Ph.D. (Emory University) Chairman of the Department of Sociology and Social Welfare; Professor of Sociology

Robert M. Siudzinski, Ph.D. (Arizona State University) Chairman of the Department of Special Education and Professor of Education

William Robert Slaughter, Ph.D. (Purdue University) Assistant Professor of English

Bernard Shelton Smith, Ph.D. (Florida State University) Assistant Professor of Education

Jay Aubra Smith, Jr., D.B.A. (University of Maryland) Associate Professor of Transportation and Logistics

Ronald Robert Socha, M.B.A. (University of Massachusetts) Assistant Professor of Marketing

Gerald James Stine, Ph.D. (University of Delaware) Associate Professor of Natural Sciences

Terry Ray Tabor, Ed. D. (University of Tennessee) Assistant Professor of Education

William Holmes Tomlinson, M.S. (George Washington University) Assistant Professor of Management

Mohammad Reza Vaghefi, Ph.D. (Michigan State University) Assistant Professor of Management

Robert Eugene Wallace, B.S. (University of Akron) *University Controller*
David Earl Wegman, M.B.A (Northwestern University) *Assistant Professor of Accounting*
William Louis Wharton, Ed.D. (University of Florida) *Assistant Dean of Faculties; Associate Professor of Education*
Ernest Loyd Wild, B.S.B.A. (University of Florida) *C.P.A. Director of Internal Controls*
William E. Wilkinson, M.A. (Stetson University) *Assistant Professor of Education*
Carlton Reginald Williams, M.A. (Emory University) *Instructor of Humanities and Faculty Advisor*
Dorothy Payne Williams, M.S.L.S. (Syracuse University) *Associate University Librarian-Reference/Documents*
Betty Jean Willmon, Ph.D. (Florida State University) *Assistant Professor of Education*
Pettus Kinnebrew Wilson, III, B.S. (Florida State University) *Director of Personnel*
Walter Gerald Winstead, M.A. (University of Florida) *Director of Purchasing*
Thomas Eaton Wood, M.A. (University of Virginia) *Assistant Professor of Mathematical Sciences*
Louis Alan Woods, Ph.D. (University of North Carolina) *Assistant Professor of Geography and Economics*
Gerson Yessin, Mus.D. (Florida State University) *Chairman of the Department of Fine Arts; Professor of Fine Arts*

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College of Arts and Sciences

Willard O. Ash, *Dean*

Department of Fine Arts

Gerson Yessin, *Professor and Chairman*

William A. Brown, *Associate Professor*

Jack Funkhouser, *Associate Professor*

Wellington C. Morton, *Assistant Professor*

Arthur J. Bloomer, *Instructor*

Carlton R. Williams, *Instructor*

Art

- ART 300 Introduction to Studio Art.** 5; Basic studio course in beginning drawing, color, and two- and three-dimensional design. May not be counted toward requirements for an art degree. Ten studio hours per week.
- *ART 312 Commercial Design.** 5; Prereq: ART 300 or equivalent. An introduction to commercial art. A study of illustration, lettering and layout. Ten studio hours per week.
- ART 313 Crafts.** 5; Exploring materials and techniques involved in handcrafted works. Designed primarily for art education majors. Ten studio hours per week.
- ART 319 Photography.** 5; Prereq: Consent of instructor. Laboratory work in the processes and materials of photographic art. Basic camera techniques, film developing, printing and lighting. Ten studio hours per week.
- ART 321 Art History I.** 5; Twentieth Century art forms. Major movements and artists in modern painting, sculpture, architecture and photography.
- ART 322 Art History II.** 5; Ancient and Medieval Art. A study of Classical and Medieval artifacts and the civilizations that produced them.
- ART 331 Advanced Drawing.** 5; Prereq: Art 300 or equivalent. Advanced problems in drawing, visual structure and composition. Ten studio hours per week. May be repeated for a maximum of 20 credits.
- *ART 341 Printmaking.** 5; Prereq: ART 300 or equivalent. Experience in the graphic processes of silk screen, engraving and drypoint. Ten studio hours per week. May be repeated for a maximum of 20 credits.

*Not to be offered in 1972-73.

- ART 351 Painting.** 5; Prereq: ART 300 or equivalent. Experience in oil or water color media. Ten studio hours per week. May be repeated for a maximum of 20 credits.
- *ART 361 Sculpture.** 5; Prereq: ART 300 or equivalent. Three-dimensional forms in such media as plaster, wood and paper. Ten studio hours per week. May be repeated for a maximum of 20 credits.
- ART 371 Ceramics.** 5; Prereq: One semester of design. Form, color and texture in ceramic design. Ten studio hours per week. May be repeated for a maximum of 20 credits.
- ART 421 Art History III.** 5; Relation of styles to cultural context. Art and architecture from the late Medieval period through the Rococo.
- *ART 422 Art History IV.** 5; A continuation of ART 421. 19th and 20th century art. The visual arts in relation to society.
- ART 466 Art Photography.** 5; Prereq: ART 319 and basic design. The camera as a means of creative expression. Ten studio hours per week. May be repeated for a maximum of ten credits.
- *ART 467 Cinematography.** 5; Prereq: ART 319. Techniques of film making, editing and writing. Ten studio hours per week. May be repeated for a maximum of ten credits.
- ART 480-489 Seminars.** v. 1-5; A maximum of 15 credits may be accumulated in Seminars.
- ART 490-499 Directed Individual Studies.** v. 1-5; A maximum of 15 credits may be accumulated in Directed Individual Studies.
- ART 960-999 Venture Studies.** 5 each.

Music

- MUP 301-303 Class Piano.** 1 each; Fundamentals of piano. Two class hours per week.
- MUP 304-306 Class Voice.** 1 each; Fundamentals of vocal production. Two class hours per week.
- MUP 311-336 Applied Music.** v. 2-4 each; Prereq: Consent of instructor. Individual instruction in applied music in voice, piano and organ. Half-hour private lesson and one hour performance laboratory weekly for every two credits.
- *MUP 401-403 Class Piano.** 1 each; Prereq: MUP 303. Intermediate keyboard instruction. Two hours per week.
- *MUP 404-406 Class Voice.** 1 each; Prereq: MUP 306. Intermediate vocal instruction. Two hours per week.
- MUP 411-446 Applied Music.** v. 2-4 each; Prereq: Consent of instructor. Individual instruction in applied music in voice, piano and organ. Half-hour private lesson and one hour performance laboratory weekly for every two credits.
- MUS 300 Music Skills Review.** 5; Prereq: At least three semesters of college theory. Basic theory, sightsinging and ear training. May not be counted toward requirements for a music degree. Four hours lecture, three hours laboratory.
- *MUS 311 Counterpoint.** 5; Prereq: two years college theory. 18th century counterpoint; analysis and writing.
- *MUS 312 Form and Analysis.** 5; Prereq: Two years of college theory. Analysis of musical forms in Western music.
- MUS 321 Music History I.** 5; Prereq: One semester of music history or theory, or consent of instructor. The history of Western music from the Romantic era to the present.

**Not to be offered in 1972-73.*

- MUS 322 Music History II.** 5; Prereq: One semester of music history or theory, or consent of instructor. The history of Western music from the Baroque to the Romantic era.
- *MUS 323 Music History III.** 5; Prereq: One semester of music history or theory, or consent of instructor. The history of Western music from its origins to the Baroque era.
- MUS 360 University Chorus.** 1; A chorus of mixed voices preparing for performances throughout the year. Open to all students. Three hours per week. May be repeated for credit.
- MUS 361 University Singers.** 1; Prereq: Consent of instructor. A small ensemble of mixed voices. Varied repertory and frequent public performances. Membership by audition only. Three hours per week. May be repeated for credit.
- *MUS 362 Opera Workshop.** 2; Prereq: Consent of instructor. Rehearsal and production of scenes and complete operatic works. Three hours per week. May be repeated for credit.
- *MUS 415 Choral Conducting and Literature.** 5; Prereq: 2 years of music theory. For music education majors. Applied conducting of vocal music and study of the basic literature, with special emphasis on the needs of school music groups.
- *MUS 461 Church Music.** 5; Prereq: 1 year of applied music. Planning the music content for various church services, survey of liturgies and hymn-playing.
- MUS 470 Recital and Research.** 0; Prereq: Consent of instructor. Thirty-minute public recital and a research paper on the music programmed.
- MUS 480-489 Seminars.** v. 1-5; A maximum of 15 credits may be accumulated in Seminars.
- MUS 490-499 Directed Individual Studies.** v. 1-5; A maximum of 15 credits may be accumulated in Directed Individual Studies.
- MUS 960-999 Venture Studies.** 5 each.

Department of History

James B. Crooks, *Professor and Chairman*

Daniel L. Schafer, *Assistant Professor*

Dale Clifford, *Assistant Professor*

- HIS 301 United States History to 1900.** 5; Examines the origins and growth of the American people, their ideas and their institutions from the colonial settlements to 1900, with particular emphasis on change and continuity in American society as the nation evolved toward the 20th century.
- HIS 302 United States History Since 1900.** 5; Examines the impact of technology, industrialization, urbanization and America's role as world power upon the American people, their ideas and their institutions, with particular emphasis on change and continuity in American society leading to the present.
- HIS 303 The Afro-American Experience: Slavery** 5; Examines the role of black people in American life, the complex and interacting forces upon them, and the main themes of Afro-American history beginning with the African backgrounds and the slave trade to Emancipation.
- HIS 304 The Afro-American Experience: Since Emancipation.** 5; Examines the struggle of black Americans for freedom and dignity from the Civil War to the present in a society that continually raised economic, political and social barriers to that freedom.

*Not to be offered in 1972-73.

- HIS 305 The City in American History.** 5; Examines the genesis, growth and impact of the city upon American history, as well as the multiple sources of its present condition.
- *HIS 306 Florida History.** 5; The discovery, development and growth of Florida with emphasis on its people, its political institutions, economic growth and developing cultural patterns, in the context of American history.
- HIS 312 Europe: The Growth of Western Civilization.** 5; The emergence of the ideas of Europe, with special emphasis on the later Middle Ages, the Renaissance and the Reformation. The rise of science and of nationalism will be stressed.
- HIS 313 Europe: The Triumph of Nationalism and Materialism.** 5; Europe since 1600, with emphasis on France, England and Germany. The impact of Europe on the world scene, and the triumph of capitalism, industrialism and imperialism. The challenge to European control and ideologies.
- HIS 314 Europe in the Twentieth Century.** 5; Examines the impact of wars, revolutions, totalitarian ideologies and technology upon the continent's nation-states and their civilizations, with a perspective on Europe today.
- HIS 315 The European Nation-State: A Case Study.** 5; Examines a particular European nation in the context of world history, seeking to understand the growth of national political, economic and social institutions and culture.
- *HIS 321 Asian History.** 5; Asia before the coming of the West; cultures, institutions and achievements. The impact of the West, nationalism, modernization and nation building. Major emphasis on China, India and Japan.
- HIS 341 African History: Before Colonization.** 5; An overview of African history, examining such problems as the nature of ethnicity, the process of state formation, African institutions, patterns of migration and cultural diffusion, the slave trade and resistance to European colonization.
- HIS 342 African History: Since Colonization.** 5; Examines the impact of European colonial systems upon African civilization, the rise of African nationalism, the problems of independence, armed liberation struggles, and the racial regimes of South Africa.
- HIS 351 The Craft of History.** 5; An examination of the nature of history and the many ways of interpreting it, as well as the application of historical methods of research and interpretation to specific historical problems. Required for junior majors.
- *HIS 401 Problems in United States History.** 5; Prereq: 300-level course in American History. Advanced studies and historical analysis of one aspect, theme or epoch of United States history.
- *HIS 411 Problems in European History.** 5; Prereq: 300-level course in European history. Advanced studies and historical analysis of one aspect, theme or epoch in European history.
- *HIS 421 Problems in Asian History.** 5; Prereq: 300-level course in Asian history. Advanced studies and historical analysis of one aspect, theme or epoch in Asian history.
- *HIS 441 Problems in African History.** 5; Prereq: 300-level course in African history. Advanced studies and historical analysis of one aspect, theme or epoch in African history.
- *HIS 480 Senior Seminar.** 5; Either a reading program in preparation for a comprehensive examination of a particular field of history, or a major project of research for presentation in seminar. The tutorial method will be employed.
- HIS 481-489 Seminars.** v. 2-5 each.
- HIS 490-499 Directed Individual Study.** v. 2-5 each.
- HIS 960-999 Venture Studies.** 5 each.

*Not to be offered in 1972-73.

Department of Languages and Literature

Gary L. Harmon, *Professor and Chairman*

Richard B. Bizot, *Associate Professor*

H. James Clark, *Assistant Professor*

H. Karen Kincheloe, *Assistant Professor*

William R. Slaughter, *Assistant Professor*

Communications

- COM 305 Writing: Argument and Persuasion.** 5; Writing of various kinds, such as speculation, reports, documented articles or criticism, with emphasis on persuasion as the object. Prospective teachers give attention to the psychology of helping others to write well.
- *COM 312 Communication: Theory and Practice.** 5; Theories of human behavior in communication process. Psychology of human interaction in speaking situations. Ample practice in speaking and analysis of oral as well as non-verbal communication in groups of various kinds. May be repeated for a maximum of ten credits with consent of instructor.
- *COM 315 Mass Media in America.** 5; The mass media process, its effects on individuals and groups. Ethical, social, political and aesthetic implications in influencing and directing behavior. Introduction to theories and critiques of mass media, including those by McLuhan, Reisman, Katz, Wolfe or Lazarsfeld.
- COM 317 Journalistic Writing.** 5; Prereq: Typing ability. Instruction and practice in news writing for mass communications and specific readerships; news standards, visits to communication media; reporting activities and basic mechanics of news production.
- COM 330 Newspaper Editing.** 5; Prereq: COM 317 or consent of instructor. Newspapers and their readerships, news evaluation and news placement. Editing and rewriting copy for publication; typography and layout; ethical standards for journalism. Print shop visits, planning and critiquing sessions. Visiting consultants.
- COM 350 Editorial and Feature Writing.** 5; Prereq: COM 317 or consent of instructor. Instruction and practice in specialized writing including features, editorials and book reviews. Study of newspapers and editorials, political and feature writers.
- COM 417 Newspaper Production.** v. 2-3; Prereq: COM 317 or consent of instructor. Making news assignments, conducting staff meetings for, and carrying out managerial and editorial functions. Study and practice of journalistic exemplary newspapers. Tutorially with newspaper adviser. May be repeated for a maximum of ten credits with chairman's consent.
- *COM 475 Internship in Journalism.** v. 3-5; Prereq: Consent of instructor and department chairman. Work and study with a communications industry in the city — radio, television, newspaper or publishing companies.
- COM 480-489 Seminar.** v. 3-5 each; Prereq: Consent of instructor and department chairman. May be repeated for a maximum of ten credits.

*Not to be offered in 1972-73.

- COM 674 Business Communications and Information.** 5; Prereq: Graduate standing. Communications theory and information related to business. Case studies and professional publications used to examine communication processes, semantic and linguistic problems and their solutions. Applications of research methods to organization communications.

Literature

- LIT 316 American Literature: Emerson through James.** 5; Ideas, myths and literary developments of American culture and personality through study of such writers such as Thoreau, Fuller, Hawthorne, Melville, Douglass, Chopin, Twain, Dunbar and Crane.
- LIT 317 American Literature: Dreiser through Jones.** 5; Ideas, myths and literary development of American culture and personality. Such writers as Cather, Pound, Hemingway, Wright, Miller, Hughes, Ginsberg, Cleaver, Mailer and Sexton considered.
- *LIT 325 English Literature: Beowulf through Defoe.** 5; Exploration of cultural and literary dimensions of writers such as Kyd, Malory, Shakespeare, Donne, Bunyan or Farquhar in genres developed in both print and oral traditions.
- LIT 326 English Literature: Fielding through Wilde.** 5; Study and discussion of cultural and literary dimensions of writers such as Richardson, Pope, Cowper, Wordsworth, Byron, Scott, Dickens, Arnold, Rossetti or Thackeray.
- LIT 327 English Writing: Conrad through Beckett.** 5; Reading, discussion and writing about cultural and literary dimensions of writers such as Yeats, Ford, Shaw, Woolf, Snow, Osborne, Wain or Pinter.
- LIT 335 Writing Poetry.** 5; Prereq: Consent of instructor. Reading and writing poetry in various forms. Meeting style and frequency vary with purposes to fulfill. May be repeated for a maximum of ten credits.
- *LIT 345 The Novel.** 5; The novel as an art form and as a guide to interpreting the nature of culture, personality and timeless issues of mankind. Novelists such as Defoe, Stendhal, Tolstoi, Unamuno, Faulkner or Kosinski.
- *LIT 350 Drama.** 5; Various styles (classic, realistic, absurd, etc.) and types (epic, farce, comedy, etc.) of plays; course often thematically organized. Plays by such writers as Sophocles, Jonson, Shakespeare, Calderon, Moliere, O'Neill or Pinter. Attendance of plays offered locally.
- LIT 355 Poetry.** 5; Poetry of the world, including such poets as Chaucer, Shakespeare, Blake, Baudelaire, Neruda, Yevtushenko, Whitman, Yeats, Williams, Ginsberg, Sexton. Oral traditions include folk poems and song lyrics, popular and high-art sources.
- LIT 360 Short Fiction.** 5; Short fiction interpretation in its various forms (fable, myth, parable, short story, novella, etc.) Possible writers: Aesop, Bible author(s), Poe, James, Dostoevsky, Cortazar, Hemingway, Nin, O'Connor, Asimov, Porter, Butor.
- LIT 371 Masterworks of World Literature.** 5; Prereq: Three literature courses and consent of instructor and department chairman. Students select most readings; professor's consent necessary. Heavy class participation, weekly notes, papers. Interpretation of writers such as Homer, Cervantes, Dante, Balzac, Hamsun, Solzhenitsyn, Achebe, Kawabata or Updike.
- LIT 372 Black American Literature.** 5; Poetry, drama, prose and fiction as significant dimensions of American culture and personality. Studies may include slave marriages, Douglass, DuBois, Garvey, McKay, Wright, Ellison, Baldwin, Jones and Reed.

*Not to be offered in 1972-73.

- *LIT 373 Literature of Popular American Culture.** 5; Interpretation and cultural exploration of American mass culture from late 1800's to present, including literature of all types, from novels, song lyrics and plays to film scripts, rock operas or bestsellers.
- LIT 380 American Studies Seminar.** 5; Prereq: Two courses of any kind in American culture. Students synthesize their study of several parts of the American experience in an effort to understand a phase, region, era or theme in American life and people. Course focus is interdisciplinary. Sample courses: The 1890's, Feminism in America, America's Great Books, Democracy, Radical Movements, Existentialism. May be repeated for a maximum of fifteen credits.
- LIT 401 Approaches to Literary Interpretation.** 5; Prereq: Three college-level literature courses. Applied criticism of principal modern approaches, including psychological, formalist, mythic, among others. Students read theory and model criticism, practicing interpretation with various genres.
- *LIT 410 American English.** 5; The nature of American English: Its various manifestations in usage, dialect and modern grammar form a central focus. Socio- and psycholinguistic concerns introduced; students practice investigation of their own and other language patterns in this linguistic region.
- LIT 425 Myth in Literature.** 5; Prereq: Four college-level literature courses. Myth theories and application of archetypal inquiry to individual works and the vision of existence they define. The mythic process and what myth means to us. Myths such as the golden age or the heroic quest studied in seminar-style process.
- *LIT 430 English Medieval Literature.** 5; Prereq: One English literature course. English medieval culture as expressed through literary works such as *Beowulf*, "The Seafarer," *Sir Gawain and the Green Knight*, *Canterbury Tales*, *Morte d'Arthur*. Literature interpreted in relation to social and artistic developments of the time.
- *LIT 435 Studies in the English Renaissance.** 5; Prereq: One English literature course. Poetry, prose and drama of the period from about 1485 to 1660 against the background of humanism and the Reformation. Social and artistic developments of the period included in study of such writers as Kyd, Wyatt, Gascoigne, Jonson, Shakespeare, Donne, the metaphysicals.
- *LIT 440 The English Novel.** 5; Prereq: One English literature course. The novel as an art form as key to culture and personality. Novelists such as Fielding, Richardson, Radcliffe, Sterne, Austen, Scott, Dickens, Trollope, Wells, Lawrence, Snow, Wilson.
- *LIT 450 American Poetry.** 5; Prereq: One course in American culture. Poetry as means of experiencing American culture and personality. Studies include Connecticut Wits, Romantics, Transcendentalists, Imagists, Beats, Projectivists, Surrealists and others. Emphasis on poets since Pound.
- *LIT 459 American Literary Motifs.** 5; Prereq: One course in American culture. Selected motifs occurring in American literature and culture, such as heroic ideal, virgin land, humor, women, captivity and escape, the machine and the garden, etc. American mind and character revealed through use of popular, folk and high-art literature and other arts.
- LIT 480-489 Seminar.** v. 3-5 each; Prereq: Consent of instructor and department chairman. May be repeated for a maximum of ten credits.
- *LIT 490-499 Independent Study.** v. 3-5 each; Prereq: Consent of instructor and department chairman.

*Not to be offered in 1972-73.

LIT 960-999 Venture Studies. v. 1-5 each; Selected topics which involve literature or communications, in connection with other disciplinary techniques and concerns; investigation applies findings to mankind's twentieth century problems; interrelatedness of man's knowledge and methodologies implicit in work and in course design.

Library Science

Andrew Farkas, *Professor of Library Science*

The following courses are designed as electives; there will be no major offered in the field of Library Science at this time.

- LIS 301 Introduction to Bibliography and Reference.** 5; Detailed discussion of approximately 250 frequently used reference works and bibliographic tools. Practice problems to develop skills in using reference material.
- LIS 302 Introduction to Library Materials/Acquisitions.** 5; Discussion of objectives, principles and methods in selecting, evaluating and acquiring books, periodicals and non-book type material
- LIS 303 Introduction to Cataloging and Classification.** 5; Theory, principles and techniques in organizing library materials and making them accessible to users. Practice work in descriptive cataloging and application of Dewey Decimal Classification and the Sears List of Subject Headings.
- *LIS 304 Library Work with Children and Young People.** 5; Principles and technique in working with children and young people. Selection of library materials for young readers, emphasis on topical interests and the development of good reading habits.

Department of Mathematical Sciences

Willard O. Ash, *Professor and Acting Chairman*

Leonard J. Lipkin, *Associate Professor*

Edward D. Elgethun, *Assistant Professor*

John J. Leeson, *Assistant Professor*

Thomas E. Wood, *Assistant Professor*

- MSC 301-302 Introductory Calculus.** 5 each; An intensive two-quarter sequence devoted to the basic ideas of the differential and integral calculus. (Cannot be used to satisfy upper-level degree requirements by mathematical or natural science majors.)
- MSC 304 Introduction to APL Programming.** 2; An intensive short-course to acquaint students with on-line computer terminals. Emphasis on APL languages. Students write simple programs. (Cannot be used to satisfy upper-level degree requirements by mathematical or natural science majors.)
- MSC 305 Mathematics for Business and Social Sciences.** 5; Systems of linear equations and inequalities. Linear algebra, matrices and elementary topics in differential and integral calculus. (Cannot be used to satisfy upper-level degree requirements by mathematical or natural science majors.)

*Not to be offered in 1972-73.

- MSC 306 Elementary Statistics.** 5; Prereq: Algebra. An introduction to probability, statistical distributions, inference, testing of hypotheses, regression and correlation. (Cannot be used to satisfy upper-level degree requirements by mathematical or natural science majors.)
- MSC 308 Structure of Mathematics.** 5; The number system. Fundamental properties of integers, followed by construction of the rational, real and complex number fields. Emphasis on increased computational power obtained at each stage of development.
- MSC 310 Intermediate Analysis.** 5; Prereq: MSC 301 and MSC 302 or equivalent. Limits, continuity and differentiability via topology of the real line. Bolzano-Weierstrass theorem. Elementary measure theory leading to Riemann and Lebesgue integrals. Emphasis on understanding concepts rather than computational techniques.
- *MSC 314 Differential Equations.** 5; Prereq: MSC 302 or equivalent. Ordinary differential equations. Linear equations with variable coefficients, boundary value problems, non-linear problems. Numerical techniques.
- MSC 320 Linear Algebra.** 5; Linear equations and matrices. Vector spaces, quadratic forms, vector cross products, etc.
- MSC 330 Introduction to Computer Science.** 5; Algorithms, programs and computers. Debugging and verification. Data representation, survey of computers, languages, systems and application.
- MSC 331 Computers and Programming.** 5; Prereq: MSC 330 or equivalent. Computer structure, machine language, instruction execution, addressing techniques. System and utility programs, programming techniques. Logic design and interpreters.
- MSC 333 Introduction to Discrete Structures.** 5; Prereq: MSC 320 and MSC 330. Review of set algebra, mappings and relations. Algebraic structures, semi-groups and groups. Elements of theory of graphs. Boolean algebra and propositional logic.
- *MSC 335 Numerical Calculus.** 5; Prereq: MSC 310, MSC 320, MSC 330. An introduction to basic numerical algorithms used in scientific computer work. Elementary discussion of error, polynomial interpolation, quadrature, linear and non-linear systems of equations.
- MSC 340 Probability and Statistics.** 5; Prereq: MSC 302. Probability; sample spaces and random variables. Distributions. Estimation and decision theory. Linear models.
- *MSC 343 Statistical Methods.** 5; Prereq: MSC 340. An introduction to statistical methods. Analysis of variance, covariance, linear and multiple regression, Chi-square, etc.
- *MSC 351 Modern Geometry.** 5; Euclidean geometry. Properties of planes and space. Models for Riemannian error hyperbolic geometry. The parallel postulate, area theory, etc.
- *MSC 361 Number Theory.** 5; Prereq: MSC 320 and MSC 330. One of the oldest and most interesting mathematical disciplines. Properties of integers, fundamental theorem of arithmetic, theory of congruences, etc. Use of the computer to establish results.
- MSC 411-412 Real Analysis I, II.** 5 each; Prereq: MSC 310. A two quarter sequence. Real and complex numbers. Set theory. Metric and Euclidean spaces, continuity, differentiation. Riemann-Stieltjes Series.
- *MSC 415 Complex Analysis.** 5; Prereq: MSC 411. Elementary functions. Analytical functions. Contour integration, conformed mapping. Boundary value problems.

*Not to be offered in 1972-73.

- *MSC 418 Numerical Analysis.** 5; Prereq: MSC 310. Solutions of equations, interpolation and approximation. Numerical differentiation and integration.
- MSC 421 Algebraic Structures.** 5; An introduction to the basic concepts of modern algebra. Groups, rings and fields.
- *MSC 425 Elementary Topology.** 5; Prereq: MSC 421. Topological spaces, metric spaces, connectedness, compactness.
- *MSC 431 Data Structures.** 5; Prereq: MSC 331 and MSC 333. Introduces students to relations which hold among the elements of data involved in problems. Storage systems and structure; storage allocation and collections; symbol searching techniques.
- *MSC 433 Programming Languages.** 5; Prereq: MSC 331 and MSC 333. Presents a systematic approach to study of programming languages. Simple statements including precedence infix, prefix and postfix. Global properties of algorithmic languages, etc.
- *MSC 435 Computer Organization.** 5; Prereq: MSC 331 and MSC 333. Organization, logic design, and components of digital circuits, storage and accessing, control functions, input-output facilities, system organization and reliability.
- *MSC 437 Systems Programming.** 5; Prereq: MSC 431 and MSC 433. Concerned primarily with software organization. Review of batch programs, components, user services and limitations, addressing techniques, system accounting, core management and other user related services.
- *MSC 445 Design of Experiments.** 5; Prereq: MSC 340. A survey of the basic statistical designs used in scientific experimentation.
- *MSC 447 Design of Sample Surveys.** 5; Prereq: MSC 340. An introduction to sample survey designs. Simple random samplings, stratified sampling, ratio estimates, cluster sampling, etc. Errors in surveys.
- MSC 480-489 Seminars.** v. 2-5 each.
- MSC 490-499 Directed Individual Studies.** v. 2-5 each.
- MSC 500 Mathematics for Decision Theory.** 5; Prereq: MSC 305 and MSC 306 or equivalent. A study of mathematical topics useful in business systems. (Cannot be used to satisfy upper-level degree requirements by mathematical science majors.)
- MSC 960-999 Venture Studies.** 5 each.

Department of Natural Sciences

Edward A. Healy, *Professor and Chairman*

Jack T. Humphries, *Professor*

Gerald J. Stine, *Associate Professor*

Charles J. Bier, *Assistant Professor*

Ray D. Bowman, *Assistant Professor*

Erich E. Brumbaugh, *Assistant Professor*

Carole L. DeMort, *Assistant Professor*

Jay S. Huebner, *Assistant Professor*

- NAS 301 Fundamental Physics I.** 5; An introduction to the fundamental laws and theories of physics with emphasis on mechanics, heat and sound. (Cannot be used to satisfy upper-level degree requirements by Natural Sciences majors.)

*Not to be offered in 1972-73.

- NAS 302 Fundamental Physics II.** 5; A continuation of NAS 301 with emphasis on light, electricity and magnetism. (Cannot be used to satisfy upper-level degree requirements by Natural Sciences majors.)
- NAS 305 Structural and Equilibrium Chemistry.** 5; An accelerated introductory course in chemistry emphasizing the concepts of atomic and molecular structure and principles and applications of chemical equilibrium. Four hours lectures, four hours laboratory. (Cannot be used to satisfy upper-level degree requirements by Natural Sciences majors.)
- NAS 310 Thermodynamics.** 5; Prereq: NAS 301, NAS 305, MSC 302. The laws of thermodynamics with applications in biology, chemistry and physics. Four hours lecture, four hours laboratory.
- NAS 320 Genetics.** 5; Prereq: General Biology, NAS 305. Principles of classical and modern genetics revealed by studies on nuclear and extranuclear inheritance. Three hours lecture, six hours laboratory.
- NAS 325 Molecular and Cell Biology.** 5; Prereq: NAS 340, General Biology. Consideration of energy requirements in metabolism, physicochemical changes in protoplasm and the effect of environment on cellular evolution. Four hours lecture, four hours laboratory.
- NAS 328 Organismal Biology.** 5; Prereq: General Biology. The study of the physiology and behavioral aspects of whole organism systems. Four hours lecture, four hours laboratory.
- NAS 330 Environmental Biology.** 5; Prereq: NAS 340, General Biology. The nature of ecological systems, a relationship between plants, animals, their environment and man. Four hours lecture, four hours laboratory.
- NAS 335 Microbiology.** 5; Prereq: NAS 305, General Biology. The spectrum of the microbial world with emphasis on cell structure, reproduction and physiology. Three hours lecture, six hours laboratory.
- NAS 340 Organic Chemistry I.** 5; Prereq: NAS 305. A study of the compounds of carbon emphasizing functional group reactivity, spectroscopy, reaction mechanisms, biochemistry and polymers. Three hours lecture, six hours laboratory.
- NAS 341 Organic Chemistry II.** 5; A continuation of NAS 340. Three hours lecture, six hours laboratory.
- NAS 345 Inorganic Chemistry.** 5; Prereq: NAS 310, 341. A study of inorganic chemical systems based upon the principles of physical chemistry. Four hours lecture, four hours laboratory.
- NAS 350 The States of Matter and Chemical Kinetics.** 5; Prereq: NAS 310. The kinetic theory of gases; crystal structure; the rates of chemical reaction including absolute rate theory. Four hours lecture, four hours laboratory.
- NAS 351 Molecular Quantum Chemistry.** 5; Prereq: NAS 310. The applications of Schroedinger's equation to the problems of atomic structure and chemical bonding. Five hours lecture.
- NAS 360 Modern Physics.** 5; Prereq: NAS 302, MSC 302. The fundamental developments in physics of the period 1895-1950. Four hours lecture, four hours laboratory.
- *NAS 365 Intermediate Mechanics.** 5; Prereq: NAS 302, MSC 302. The mathematical formulations of Hamilton and Lagrange; analysis of the motions of particles and rigid bodies. Five hours lecture.
- *NAS 367 Electricity and Magnetism.** 5; Prereq: NAS 360. The analysis of electromagnetic fields and waves based upon Maxwell's equations.
- NAS 370 Electronics for Scientists.** 5; Prereq: NAS 302, MSC 302. An introductory course in electronic design and circuitry with emphasis on common scientific instrumentation. Three hours lecture, six hours laboratory.

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- *NAS 420 Developmental Biology.** 5; Prereq: NAS 325. A study of morphogenesis, fertilization, cellular interaction and the effects of hormones and the environment on plant and animal systems. Four hours lecture, four hours laboratory.
- *NAS 440 Advanced Organic Chemistry.** 5; Prereq: NAS 341. An in-depth study of functional group properties with emphasis on analytic and synthetic applications. Three hours lecture, six hours laboratory.
- *NAS 441 Physical Organic Chemistry.** 5; Prereq: NAS 341, 350. Systematic theoretical and experimental approaches to the nature of chemical reactions, focusing on methods of elucidating the mechanisms of these reactions.
- *NAS 445 The Chemistry of Metal Chelate Compounds.** 5; Prereq: NAS 310. A study of metal coordination compounds with emphasis on their structure, formation and reactions.
- *NAS 450 Biochemistry.** 5; Prereq: NAS 310, 342. Emphasis on the relationships between the molecular structure and the interactions of biological molecules. Four hours lecture, four hours laboratory.
- *NAS 455 Modern Analytical Chemistry.** 5; Prereq: NAS 310, 342. Emphasis on instrumental methods of analytical investigation including spectroscopy, chromatography, neutron activation, x-ray diffraction, mass spectrometry and electrochemical techniques. Four hours lecture, three hours laboratory.
- *NAS 460 Biophysics.** 5; Prereq: NAS 360. The application of physical techniques to the investigation of living systems. Four hours lecture, four hours laboratory.
- *NAS 465 Nuclear Physics.** 5; Prereq: NAS 360. An introductory course emphasizing nuclear structure, radioactivity, induced nuclear reactions, nuclear energy, fission and fusion.
- *NAS 480-489 Seminar.** v. 2-5 each; Prereq: Consent of instructor.
- *NAS 490-499 Directed Individual Study.** v. 2-5 each; Prereq: Consent of the instructor. Participation in a research investigation under the supervision of an instructor. (No more than five credits of NAS 490-499 may be applied toward major requirements.)
- NAS 960-999 Venture Studies.** 5 each.

Department of Political Science and Public Administration

Thomas M. Mongar, Associate Professor and Chairman

Steven DeLue, Assistant Professor

George deTarnowsky, Assistant Professor

Jane Decker, Assistant Professor

- POS 320 Political Decision-Making.** 5; Exploration of the moral and empirical prerequisites of political action; comparison of models of individual and collective choice; examination of hypotheses concerning the impact of different political settings on choice; evaluation of strategies and tactics of action.

**Not to be offered in 1972-73.*

- POS 322 Political Systems.** 5; Structures, processes and goals of selected Western, Communist East European and Third World regimes, with emphasis on the kinds of challenges that each system presents the others.
- POS 324 International Politics.** 5; War and imperialism, using case study and literary resource materials.
- POS 326 Political Philosophy.** 5; Concepts of political obligation in the philosophies of selected Western and Third World thinkers, including Mao Tse-Tung, Che Guevara, and Frantz Fanon.
- POS 345 Public Policy: The Politics of Poverty.** 5; Prereq: POS 320. Income distribution practices in Western and non-Western systems, with emphasis on the effectiveness of different redistribution policies.
- POS 346 Public Policy: The Politics of Race.** 5; Prereq: POS 320. Examination of the effect of racial discrimination on the public policy process of selected Western and Third World nations, with emphasis on the abolition of institutional racism.
- POS 347 Public Policy: The Politics of Violence.** 5; Prereq: POS 320. Study of violence in selected Western and Third World nations, with emphasis on public policy alternatives open to participants under conditions of widespread violence or threatened violence.
- *POS 348 Public Policy: The Politics of Environment.** 5; Prereq: POS 320. Environmental problems in modern industrial systems, with emphasis on the political economy of environmental control and restoration.
- POS 355 American Politics.** 5; Comparison of elite, consensual and popular rule models of contemporary American politics.
- POS 357 Urban Politics.** 5; Analysis of the problems, institutions, processes and behaviors of participants and non-participants in American cities.
- *POS 359 Budgetary Process.** 5; Review of modern budgeting techniques in American local, state and national government, with special emphasis on the role of political factors in budget calculations, strategies and reforms.
- POS 365 Parties and Interests.** 5; Examination of the role of political parties and interest groups on the formation of public opinion and the development of public policy, with emphasis on the ability of such institutions to cope with rapid change in modern industrial societies.
- *POS 367 Judicial Institutions.** 5; The role of judicial institutions and actors on the formulation and reformulation of public policy.
- POS 369 Administrative Institutions.** 5; Exploration of the creation, growth, operation and impact of public bureaucracies on the politics of modern industrial states.
- *POS 370 Legislative Institutions.** 5; Legislative processes in selected Western and non-Western systems.
- POS 455 Theory and Method.** 5; Introduction to the conventions of theory construction, research design, measurement and statistical analysis that currently guide political investigation.
- *POS 457 Social Psychology of Politics.** 5; Exploration of the interface between personality, society, culture and politics.
- POS 459 Political Change.** 5; Political change in selected Western and Third World nations, with emphasis on the psychological, social and economic components of "modernization" and "development."
- *POS 463 Executive Behavior.** 5; Examination of the impact of different political and administrative settings on the behavior of chief executives in selected Western and Third World nations.

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- POS 475-476 Practicum I, II.** 5-15¹; Prereq: POS 320 and one Public Policy course. Practicum I: supervised field work in public service, administration, politics or law. Practicum II: simulated field work in which a student prepares and defends a staff report recommending adoption of a policy alternative to deal with a contemporary problem.
- POS 480-489 Special Topics Seminar.** v. 2-5 each; Exploration of a special topic of enduring or emerging significance to the understanding of political life. In special cases, format, instruction, resources and credit arranged by potential class members in consultation with interested faculty and department chairman.
- POS 490-499 Directed Individual Study**². v. 2-5 each; Prereq: POS 320 and one Public Policy course. Supervised reading and/or research, coupled with the preparation of a high quality paper on a topic of special interest to the student.
- POS 960-999 Venture Studies.** 5 each.

Department of Psychology

Laurence B. Green, *Professor and Chairman*

Kenneth S. Nickerson, *Professor*

Johnny L. Arnette, *Associate Professor*

Leslie H. Krieger, *Associate Professor*

Minor H. Chamblin, *Assistant Professor*

Peter L. Kranz, *Assistant Professor*

Nicholas L. Lund, *Assistant Professor*

- PSY 305 Human Development.** 5; To stimulate understanding of genetic and environmental influences on the developing individual from the prenatal to senescence; and to sharpen perception of the integrated totality of human existence.
- PSY 315 Psycho-biology.** 5; Prereq: Human Biology or Zoology. To increase understanding of self as a total behaving psycho-biological organism; emphasis placed on current evidence concerning neural, hormonal and sensory-motor components of psychological processes.
- PSY 325 Learning and Motivation.** 5; To create an awareness of how a human being acquires, retains and is moved to utilize information that could influence modification of behavior.
- PSY 330 Rehabilitation of Offenders.** 5; To emphasize that rehabilitation is a personal task of behavior modification for the offender that can be greatly facilitated by the interpersonal relationships experienced with the police, courts, probation and parole services, correctional institutions and the general public.
- PSY 335 Social Psychology.** 5; To gain an appreciation of the individual human being in the total interactive context of self, the social system and the cultural system.

¹Both Practica normally earn five credits, but students may enroll for ten additional hours in Practicum I with the approval of the department chairman.

²May be taken in lieu of Practicum I or II with the approval of the department chairman. Political Science majors may take no more than ten hours of Directed Individual Study.

- *PSY 405 Personality Dynamics and Effective Behavior.** 5; To emphasize the individual's part in becoming personally effective in a socio-cultural and physical world in order to enhance a continuous and integrative process toward self-fulfillment.
- *PSY 415 Psychometrics.** 5; Prereq: Elementary Statistics. To provide a sensitivity about the value of, and the potential dangers in, using psychological tests as a means of assessing behavior; principles and procedures in the interpretation and evaluation of selected tests, plus the ethics of testing, are covered.
- *PSY 425 Introduction to Counseling.** 5; Prereq: PSY 305 and 405, or equivalent. To initiate an understanding of, and a feeling for, the "why" and the "what" of the counseling process and its procedures plus consideration of the ethics involved; laboratory included within the course.
- *PSY 435 Experimental Psychology/Laboratory.** 5; Prereq: Elementary Statistics. To facilitate an understanding of the principles and techniques involved in scientific experimental analysis of behavior; laboratory applications are a part of the course. Ethics of experimentation also covered.
- *PSY 445 History and Systems of Psychology.** 5; To generate an appreciation for the historical antecedents of current psychological concepts in order to attain a more productive organization of future scientific thought and inquiry.
- PSY 455 Social-Psychological Aspects of Management.** 5; To suggest that many managerial problems are hidden intra- and interpersonal conflicts; that sensitive managers can identify and solve these conflicts by greater understanding of self and others within the context of a subordinate-superordinate relationship.
- PSY 465 Contemporary Problems in Criminal Justice.** 5; Prereq: A law enforcement certificate or equivalent. Under the direction of the faculty, students select for study pressing contemporary problems in enforcement, corrections or the courts. Research, discussion, critical inquiry and presentation, oral and written, of possible solutions.
- PSY 475-479 Practicum in Applied Psychology.** v. 2-3 each; Placement in a community setting reflecting the student's main area of job orientation; supervision by faculty. No more than five hours may be counted as part of the 90 hour degree program.
- PSY 480-489 Seminar.** v. 2-3 each; Prereq: PSY 305, 315, 325 and 335, or equivalent. No more than five hours may be counted as part of the 90 hour degree program.
- PSY 490-499 Directed Individual Study.** v. 1-3 each; Prereq: PSY 305, 315, 325 and 335, or equivalent. No more than five hours may be counted as part of the 90 hour degree program.
- PSY 505 Advanced Child Psychology.** 5; Prereq: Three courses in behavioral science including PSY 305 or Child Psychology. To create a greater understanding of, and sensitivity to, contemporary child behavior by relating research to current problems in the home, the school and the general society.
- PSY 506 Advanced Adolescent Psychology.** 5; Prereq: Three courses in behavioral science including PSY 305 or Adolescent Psychology. To create a greater understanding of, and sensitivity to, contemporary adolescent behavior by relating research to current problems in the home, the school and the general society.
- PSY 625 Advanced Educational Psychology.** 5; Prereq: Three courses in behavioral science including one in educational psychology plus one year of classroom teaching experience. To improve the classroom teacher's expertise in the teacher-learner relationship plus consideration of the classroom as

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a microcosm of society; emphasis placed upon developmental behavior as it relates to learning, motivation and social interaction.

- PSY 655 Psychology of Organizational Behavior.** 5; Prereq: PSY 405 and 455, or equivalent, plus one year management experience. Open to MBA candidates only. To increase awareness of the relationship between developmental needs of the individual and the goals of an organization; resolution of conflicts between individual motivations and the complexities of organizational structures and processes will be explored in laboratory experiences.
- PSY 960-999 Venture Studies.** 5 each; An examination of the applicability of the discipline of psychology to selected contemporary problems facing mankind; designed to elicit awareness of the interrelatedness of man's knowledge.

Department of Sociology and Social Welfare

J. Carroll Simms, *Professor and Chairman*

S. K. Kuthiala, *Assistant Professor*

Christine E. Rasche, *Assistant Professor*

Eddie L. Collins, *Instructor*

- SOC 301 Complex and Industrial Organizations.** 5; A systematic study of large scale formal organizations, with a focus upon the organizational forms of industrial production in relation to society, community and the individual.
- SOC 311 Crime and Juvenile Delinquency.** 5; A study of current theories and empirical research findings pertaining to the etiology, prevention, treatment and control of criminal and delinquent behavior.
- SOC 321 Demography and Human Ecology.** 5; An analysis of population dynamics, including patterns of fertility, mortality, distribution, growth and demographic change resulting in adaptations to the physical environment and consequent organizational and social change.
- SOC 331 Racial and Cultural Minorities.** 5; An examination of selected racial, ethnic and religious subcultures with respect to past and present patterns of participation, minority-majority relations, maintenance patterns and consequences of prejudice and discrimination to American social life.
- SOC 341 Research Methods.** 5; Prereq: Elementary Statistics. The formation of research problems, the role of paradigms, models and theories in sociological inquiry, operational and measurement techniques, research design, sampling and related topics pertinent to the collection and analysis of sociological data.
- SOC 351 Social Problems.** 5; A study of the social conditions and situations judged to be undesirable or intolerable by the members of society and to require group action toward constructive reform.
- SOC 361 Social Stratification.** 5; An analysis of the economic, social, political and cultural dimensions of institutionalized social inequality, consequences for American social life and implications for social movements and social change.
- SOC 371 Social Welfare Institutions.** 5; An examination of the programs, services and social processes directly concerned with the treatment and prevention of social problems, the development of human resources and the realization of social order modified to cope with a changing social reality.

- SOC 372 Urban Sociology.** 5; A consideration of urban social life and its impact upon social behavior, relationships and social institutions; implications for social planning with respect to transportation, communication, housing, family life, education, employment, community relations and urban control.
- *SOC 401 Community Organization.** 5; Patterns of interrelationships among the major groups involved in community affairs and providing structures for social participation in the economic, political and social life of the community, particularly in connection with the problems of matching community resources to human needs.
- *SOC 411 Deviance and Social Control.** 5; A critical analysis of the political and social processes involved in the creation, maintenance, treatment and control of deviant behavior, and an examination of selected deviant subcultures.
- *SOC 421 Mental Health in the Urban Community.** 5; A study of mental illness within the context of the larger social environment; analysis of social and cultural factors in the incidence, recognition, course and community management of mental health problems.
- SOC 431 Modernization in Developing Nations.** 5; An analysis of the economic, social, political, technological and demographic trends involved in emerging social systems.
- *SOC 441 Political Sociology.** 5; A sociological analysis of political institutions viewed as constituent parts of the structure of society and of social processes, with special attention given to contemporary political movements and ideologies.
- *SOC 451 Social Movements and Social Change.** 5; An examination of contemporary social movements directed toward the acceptance of new definitions of social roles, the development of alternative priorities, life styles and conceptions of the individual in relation to social institutions, and committed to basic social change.
- *SOC 461 Social Structure and Personality.** 5; The relationship between the individual and the socially constructed reality within which he functions; the role of language and social interaction in the socialization of the person; the consequences of role-taking and identification in the emergence of the self.
- SOC 471 Sociological Theory.** 5; A critical study of the developmental process of sociological thought and theory, surveying the major conceptual, theoretical and methodological orientations from Auguste Comte to the present.
- SOC 472 Sociology of the Family.** 5; A cross-cultural analysis of patterns of courtship, marriage and family life, focusing on the relationship between the family and other social institutions and the consequences of these relationships to the individual in a changing industrial social order.
- *SOC 485 Seminar in Sociology.** 5; Prereq: Ten hours of Sociology. Preparation and presentation of research reports and summaries concerning recent trends in major areas of sociology; discussion of current issues within the discipline and contemporary schools of thought. Cannot be repeated.
- *SOC 499 Directed Individual Study.** 5; Prereq: Ten hours of Sociology. Selected topics for independent study under the guidance, direction and examination of a faculty member specializing in the particular area chosen by the student. Cannot be repeated.
- SOC 960-999 Venture Studies.** 5 each.

*Not to be offered in 1972-73.

College of Business Administration

James M. Parrish, *Dean*

Richard deR. Kip, *Assistant Dean*

Department of Accounting

William J. Arthur, *Professor and Chairman*

Joel Kauffman, *Professor*

Frederick M. Cole, *Assistant Professor*

Joseph J. Joseph, Jr., *Assistant Professor*

Robert B. McElreath, *Assistant Professor*

David E. Wegman, *Assistant Professor*

Viceola D. Blackshear, *Instructor*

Accounting

- *ACC 300 **Applications of Accounting Information.** 5; Open to non-business majors only. Provides a basic understanding of the balance sheet, income statement, statement of retained earnings, funds statements and other reports to the general public.
- ACC 301 **Intermediate Accounting.** 5; May be omitted with a passing grade on the AICPA Level I Test. Review of asset and liability valuation and classification, income and expense determination; some emphasis on accounting theory and advanced concepts.
- ACC 307 **Federal Income Tax.** 5; Prereq: Introductory Accounting. The federal income tax law as it applies primarily to businesses but also to individuals, trusts and estates, and to non-profit organizations.
- ACC 340 **Fund Accounting.** 5; Prereq: Introductory Accounting. Special accounting methods and techniques applicable to non-profit and not-for-profit organizations.

Management Control: ACC 351, 402, 403

- ACC 351 **Financial Accounting.** 5; Prereq: Introductory Accounting. The usefulness of accounting data to management, its limitations and various techniques used to analyze accounting data.

*Not to be offered in 1972-73.

- ACC 402 Cost Analysis.** 5; Prereq: Introductory Accounting. Analysis of cost data for both production and distribution of goods and services; emphasis on cost-price-volume relationships, evaluating segments of the firm, project evaluation and analysis of future costs.
- ACC 403 Accounting for Policy Decisions.** 5; Prereq: ACC 351 and 402. Integrative study of the uses of accounting by general managers in policy decisions of financial planning, resource allocation, organization, staffing and performance evaluation.
- ACC 405 Advanced Accounting.** 5; Prereq: 12 credits in accounting. In-depth study of special topics in accounting which will be of greatest interest to the CPA candidate.
- ACC 409 Auditing.** 5; Prereq: 12 credits in accounting. An examination of the auditor's function, his responsibilities—including his professional standards of ethics, procedures and programs. Audit programs and reports studied in detail.
- ACC 421 Accounting and Financial Information Systems.** 5; Prereq: Introductory Accounting. Methods and process through which accounting information provides management planning and control information; some emphasis on computerized systems.
- ACC 489 Seminar in Accounting Problems.** 5; Open to senior-level accounting majors. Accounting theory and contemporary issues in the profession. Emphasis on independent study.
- *ACC 499 Special Studies in Accounting.** 5; Special studies undertaken independently by students under the supervision of an Accounting Department faculty member. Student and project must have the approval of a faculty supervisor and the department chairman.
- ACC 501 Basic Accounting.** 5; Concentrated course for students entering the MBA program; not required of students who have taken Introductory Accounting.
- Advanced Management Control: ACC 601, 602, 603**
(Classes conducted almost exclusively by the case method)
- ACC 601 Financial Accounting.** 5; Prereq: ACC 501 or equivalent. Generally the same topics as ACC 351 with a significant increase in the amount of independent study.
- ACC 602 Cost Analysis.** 5; Prereq: ACC 501 or equivalent. Generally the same topics as ACC 402 with a significant increase in the amount of independent study.
- ACC 603 Accounting for Policy Decisions.** 5; Prereq: ACC 601 and 602. Generally the same topics as ACC 403 with a significant increase in the amount of independent study.
- ACC 607 Tax Problems in Accounting.** 5; Prereq: ACC 501 or equivalent. Centers attention on the relevance of the tax law to management decisions. The student is expected to read the tax law independently and to apply it to issues discussed in class.
- ACC 689 Advanced Seminar in Accounting Problems.** 5; Open to advanced students in accounting concentration. Accounting theory and contemporary accounting issues considered with special attention to implications for management decisions.
- *ACC 699 Advanced Studies in Accounting.** 5; Special studies undertaken independently under the supervision of an Accounting Department faculty member. Approval of the faculty supervisor and department chairman required for both student and project.

*Not to be offered in 1972-73.

Financial Management

- FIM 311 Financial Management.** 5; Prereq: Introductory Accounting. Management techniques for and considerations in determining short-term, intermediate-term and long-term financial needs. Sources of funds available to management and the relevant financial instruments will be examined.
- FIM 611 Advanced Financial Management.** 5; Prereq: ACC 601. A consideration of the various financial needs of a business enterprise as well as an examination of the sources of funds on financial instruments used in corporation finance (emphasis on case analysis).
- FIM 615 Management of Financial Resources.** 5; Prereq: FIM 611. Examination of theory and practice in financial planning including liquidity management, capital expenditure analysis and financial planning for corporate strategy formulation and implementation.
- FIM 616 Management of Financial Instruments.** 5; Prereq: FIM 611. A case study taking an in-depth look at corporate uses of various financial instruments and their effect on financial structure, cost of capital, and valuation of the firm.

Department of Economics

Joseph M. Perry, Associate Professor and Chairman

Roy L. Lassiter, Professor

R. Grann Lloyd, Professor

Lance J. Dakin, Assistant Professor

Stephen L. Shapiro, Assistant Professor

Louis A. Woods, Assistant Professor

- ECO 301 Intermediate Macroeconomics.** 5; Prereq: Principles of Economics. Analysis of aggregate economic activity and growth. National economic goals and policies for their attainment.
- ECO 302 Intermediate Microeconomics.** 5; Prereq: Principles of Economics. Analysis of consumer and business activity in the marketplace. Price and output determination, allocation of income and product and problems of market organization.
- ECO 303 Managerial Economics.** 5; Prereq: Principles of Economics. Analysis of economic decision-making in the business firm. Emphasis on practical applications of economic theory.
- ECO 320 American Economic History.** 5; Survey of American economic growth and development since 1607. Emphasis on institutional evolution, growth trends and the determinants of change.
- *ECO 321 European Economic History.** 5; Survey of European economic growth and development since the Commercial Revolution. Major emphasis on England, France, Germany.
- ECO 330 Labor Economics.** 5; Prereq: Principles of Economics. Introduction to modern labor economics. Functioning of labor markets, role of labor organizations, labor legislation and current labor problems.
- ECO 360 Economic Geography.** 5; Prereq: Principles of Economics. Comparative analysis of major economic activities, emphasizing the distributional patterns and the socio-economic factors influencing the spatial orientation of economic activities.

*Not to be offered in 1972-73.

- ECO 361 Location Theory.** 5; Prereq: Principles of Economics. Theoretical analysis of the location of economic activity. Practical applications to modern business firms and industries.
- *ECO 370 Government and Business.** 5; Prereq: Principles of Economics. Economic analysis of industrial organization and the effects of government regulation of business.
- ECO 372 Business and Economic Statistics.** 5; Prereq: Introductory Statistics. Statistical techniques developed through the use of business and economic problems. Time series and index number analysis, simple and multiple regression and correlation, analysis of variance.
- ECO 401 Monetary Economics.** 5; Prereq: ECO 301 or consent of instructor. Monetary and banking institutions in the United States and their operations. Integration of monetary and fiscal policy tools.
- ECO 402 Public Finance.** 5; Prereq: ECO 301 and 302 or consent of instructor. Analysis of modern governmental expenditure and revenue policies. Problems of welfare and collective decision making.
- ECO 403 Analysis of Business Conditions and Forecasting.** 5; Prereq: ECO 301. Analysis of business fluctuations and their control through monetary and fiscal policy. Application of various techniques of business forecasting.
- ECO 404 Contemporary Economic Problems and Policy.** 5; Prereq: Economics major or consent of instructor. Variable topic course dealing with one or more current economic problems. Emphasis on the social and ethical aspects of economic policy and the interrelatedness of economic and non-economic activities.
- *ECO 465 Analysis of Urban Systems.** 5; Prereq: Consent of instructor. Interdisciplinary course in the economic, geographic and financial aspects of urban economies. Selected case studies.
- *ECO 475 Practicum in Economics.** v. 1-6; Prereq: Consent of department chairman. Practical course in economics combining classroom work with limited internship in local businesses or institutions.
- ECO 490 Directed Individual Study.** v. 1-5; Prereq: Consent of department chairman. Study of special topics under the guidance of faculty members. May be repeated with change of content up to a total of ten credits.
- ECO 501 Introduction to Economic Analysis.** 5; Open to MBA students only. Introduction to key analytical tools of macroeconomics and microeconomics. Application of economic analysis to current policy issues.
- ECO 601 Economics of Business Decisions.** 5; Open to MBA students only. Study of the application of economic theory to decision making in business.
- ECO 673 Statistics for Business and Economics.** 5; Open to MBA students only. Collection, analysis and use of data for business and economic decision making under conditions of uncertainty.
- ECO 680 Seminar in Labor.** 5; Elective course for MBA students. Analysis of labor in the marketplace. Wage determination, labor organizations, manpower problems, collective bargaining and the impact of labor on public welfare.
- ECO 681 Seminar in Industrial Organization.** 5; Elective course for MBA students. Economic analysis of industrial organization, performance and efficiency. Evaluation of public policies affecting industry.
- ECO 960 Venture Studies: Economics of Environmental Problems.** 5; Not open to students in the College of Business Administration. Current environmental problems and approaches to their solution. Special emphasis on local problems.
- ECO 961 Venture Studies: Poverty in the United States.** 5; Not open to students in the College of Business Administration. The nature and causes of poverty

*Not to be offered in 1972-73.

in the United States, and alternative proposals for its reduction. Special emphasis on economic discrimination.

- ECO 962** **Venture Studies: The Soviet Economy: Problems and Prospects.** 5; Not open to students in the College of Business Administration. Selected current problem areas in the Soviet economy. Examination of trends in Soviet growth and development.

Division of Studies in Economics and Business Administration

R. Grann Lloyd, *Professor and Chairman*

- EBA 580** **Seminar: Studies in Economics and Business Administration.** v. 2-5; Study of interdisciplinary problems related to economics and business administration.
- EBA 690** **Research: Studies in Economics and Business Administration.** v. 2-5; Field-centered investigation of economic and/or business administration problems of an interdisciplinary nature.

Department of Finance, Insurance and Land Economics

Richard deR. Kip, *Professor and Chairman*

Robert S. Cline, *Professor*

Ronald O. Boatright, *Assistant Professor*

Charles W. Jones, *Assistant Professor*

Finance

- FIN 310** **Financial Institutions.** 5; Detailed study of the money market and the financial instruments used, as well as the major types of financial institutions that make up the market.
- FIN 320** **Banking.** 5; Prereq: FIN 310. Organization and administration of commercial banks; sources and uses of bank funds.
- FIN 400** **Investments.** 5; Prereq: FIN 310. Principles and practices of investments; factors influencing security values.
- FIN 410** **Central Banking.** 5; Prereq: FIN 310 and 320. Study of principles and policies of Federal Reserve System and similar institutions in other countries.
- FIN 475** **Practicum in Finance.** v. 1-5.
- FIN 480** **Seminar in Finance.** 5; Prereq: FIN 310 and 320. Study of the financial aspects of finance, with particular attention to commercial banking.
- FIN 490** **Special Work in Finance.** v. 1-5; Selected problem or project of interest to the student in his major.
- FIN 600** **Structure of the Money and Capital Markets.** 5; Overall view of the financing process and the role of various financial institutions in channeling funds and providing liquidity.
- FIN 610** **Banking and Financial Administration.** 5; Structure of banking and other financial institutions; organization and administration of commercial banks and other financial institutions.

- FIN 620 Investments.** 5; Investment analysis, elements of the investment process and criteria for investment decisions.
- FIN 690 Special Work in Finance.** v. 1-5; Selected problem or project of interest to the student.
- FIN 960 Venture Studies: Family Finance.** 5; Discussion of the principal financial problems faced by the individual and the family. Cannot be used for credit toward the BBA degree.

Insurance

- INS 310 Risk and Insurance.** 5; An understanding of the importance of risk in personal and business affairs; principles underlying the selection of the means of handling risk; analysis of insurance as the principal means.
- INS 320 Life and Health Insurance.** 5; Prereq: INS 310. Use of insurance to provide protection against the economic loss caused by termination of earning capacity through premature death, disability and old age; analysis of benefits, contracts and legal doctrines.
- INS 330 Property and Liability Insurance.** 5; Prereq: INS 310. Study of the principles involved in and the protection provided by the various types of property and liability insurance, including corporate suretyship.
- INS 410 Employee Benefit Plans.** 5; Study of the group insurances that provide death, disability and retirement benefits. Analysis of contractual arrangements, benefit formulas, financing, underwriting.
- INS 415 Estate Planning.** 5; Prereq: INS 310 and 320. Analysis of the overall estate plan, impact of death transfer costs on estate assets, integration of life insurance with wills and trusts.
- INS 420 Risk Management.** 5; Prereq: INS 310 and 330. Identification of hazards and evaluation of loss potential; basic risk management devices.
- INS 450 Speculative Risk and Speculative Markets.** 5; Types of speculative risk and their treatment, with particular attention to hedging.
- INS 475 Practicum in Insurance.** v. 1-5.
- INS 480 Seminar in Insurance.** 5; Prereq: INS 310, 320 and 330. Study of the functional operations of the insurance business. Topics covered include underwriting, claims handling, reinsurance, rate and rate making, types of insurance carriers and regulation.
- INS 490 Special Problems in Insurance.** v. 1-5; Prereq: INS 310 and either 320 or 330. Special problem or project of interest to the student in his major.
- INS 601 Life and Health Insurance.** 5; Examination of life and health insurance with attention to structure of contracts, benefits, premiums and reserves. Use of contracts and legal aspects.
- INS 602 Property and Liability Insurance.** 5; Principles of the non-life insurances and risk situations that they are designed to meet.
- INS 680 Seminar in Insurance.** 5; Study of functional aspects of insurance, with particular attention to underwriting, claims adjusting, reinsurance, types of carriers, regulation.
- INS 690 Special Problems in Insurance.** v. 1-5; Special problem or project of interest to student of insurance.
- INS 960 Venture Studies: Issues in Economic Security.** 5; Discussion of uncertainty and actions society takes to achieve security. Not open to students in the College of Business Administration.

Land Economics

- LEC 310 Land Economics.** 5; A comprehensive introductory course in land economics. Examination and analysis of concepts and principles pertaining to the legal, economic and governmental aspects of real property ownership, control and development. Factors affecting decisions in the private and public sector are emphasized.
- LEC 320 Urban Land Development.** 5; Prereq: LEC 310 recommended. Principles and public policies pertaining to the utilization and development of urban economies. Location, land use, urban growth, zoning, comprehensive plans, building codes, subdivision regulations and urban renewal legislation treated with an emphasis on economic analysis and planning.
- LEC 430 Legal Aspects of Land Economics.** 5; Prereq: LEC 310. Examination and analysis of legal concepts and principles pertaining to the acquisition, ownership and development of real property. Emphasis on the law of agency, contracts, mortgages, leases, conveyances, estates, public and private limitations on ownership; rights and responsibilities of ownership.
- LEC 440 Real Property Finance and Investment Analysis.** 5; Prereq: LEC 310. Concepts, principles and practices pertaining to real property finance and investment analysis. Emphasis on the mortgage market, modes of finance, risk analysis, relevant governmental agencies, investment strategy, modes of investment, ownership forms, tax considerations, and investment models.
- LEC 450 The Valuation of Real Property.** 5; Prereq: LEC 310. Analysis of the nature, causes and measurement of real property value. The conventional appraisal process is reviewed and critically evaluated, and a scientific approach to valuation is examined.
- LEC 460 Marketing and Management of Real Property.** 5; Prereq: LEC 310. Principles, policies and practices of marketing and management as applied to real property. An examination and analysis of the fundamental aspects of the brokerage and management functions.
- LEC 465 Problems in Land Economics.** 5; Prereq: Twenty credits of LEC recommended. Development of theoretical and applied research skills of the student in land economics. Each student will choose one or more special problems or projects; perform market research; analyze social, economic and legal aspects of the problem; and report the results.
- LEC 609 Special Topics in Land Economics.** 5; A capstone course in land economics. Intensive examination and critical analysis of selected problems and topics of current and permanent import in land economics; individual readings and research, class reports and group discussions.
- LEC 680 Seminar in Urban Land Development.** 5; Advanced study and research into the nature and structure of urban economies; location of economic activity; economic analysis of the urban framework; forecasting economic functions and activity; principles of urban economic development.
- LEC 681 Seminar in Real Property Finance and Investment.** 5; Advanced study and research in real property finance and investment analysis. The mortgage market, modes of finance, modes of investment, risk analysis and various topics of current and permanent import in finance and investment analysis examined and critically evaluated.
- LEC 682 Seminar in Real Property Valuation.** 5; Advanced study and research in the valuation of real property. Examination and critical analysis of theories of values and appraisal methodologies.

Department of Management, Marketing and Business Law

Frank S. McLaughlin, *Associate Professor and Chairman*

Joel Kauffman, *Professor*

James M. Parrish, *Professor*

David W. Nysten, *Associate Professor*

Robert R. Bell, *Assistant Professor*

Lance J. Dakin, *Assistant Professor*

Robert C. Ford, *Assistant Professor*

Lowell M. Salter, *Assistant Professor*

Ronald R. Socha, *Assistant Professor*

William H. Tomlinson, *Assistant Professor*

M. Reza Vaghefi, *Assistant Professor*

Business Law

- BUL 310 Criminal Justice.** 5; Legal aspects of law enforcement administration. Designed to prepare students for staff and administrative responsibility in law enforcement agencies.
- BUL 320 Business Law I.** 5; Prereq: Principles of Accounting. Introduction to law, contracts, corporations and the uniform commercial code.
- BUL 340 Legal and Social Environment of Business.** 5; Prereq: Principles of Economics. An analysis of the environment in which businesses operate. Consideration given to legal and social constraints.
- *BUL 422 Business Law II.** 5; Prereq: BUL 320. Advanced work in business law. Intended primarily for students preparing for professional certification in areas such as accounting and real estate.
- BUL 530 Law and the Business Environment.** 5; Prereq: MBA classification. Introduction to Business Law. Analysis of the legal and social environment in which businesses operate. Required of MBA candidates who do not have foundation work in Business Law.
- BUL 960 Venture Studies: Business Law for the Individual.** 5; Contracts, wills, personal liability and other elements of Business Law particularly applicable to the individual. Not open for credit for students in the College of Business Administration.

Management

- MAN 312 Administrative Management.** 5; Prereq: Principles of Accounting and Economics. Fundamentals of management which permeate business organizations.
- MAN 412 Personnel Management.** 5; Prereq: MAN 312. A study of personnel functions, including recruiting, selecting, promoting, training and motivating workers.
- MAN 416 Labor Relations.** 5; Prereq: MAN 412. An analysis of managerial functions associated with managing employees who work under a collectively bargained labor agreement.

*Not to be offered in 1972-73.

- MAN 422 Organization Theory.** 5; Prereq: MAN 312. An analysis of the effective utilization of factors of production to achieve the goals of the enterprise. Emphasis on the proper utilization of the human factor.
- MAN 432 Business and Society.** 5; Prereq: MAN 312. Examines the relationship between business firms and other elements of society such as the individual in the organization, the community, ecology, the consumer and government.
- MAN 444 Introduction to Management Science.** 5; Prereq: MSC 305. An analysis of how management science techniques aid in managerial decision-making. Includes sections on decision-making theory, break-even analysis, inventory problems and linear programming.
- *MAN 446 Managerial Analysis.** 5; Prereq: MAN 444. Applications of quantitative tools and techniques to the problems of management.
- MAN 452 Business Policy.** 5; Prereq: 60 credits in Business Administration. An analysis of how functions such as sales, finance, procurement, distribution and personnel are correlated to form an integrated business policy.
- *MAN 460 Management Problems.** 5; Prereq: Senior classification in Management. Emphasis on the discussion and analysis of contemporary management problems.
- MAN 476 Practicum in Management.** v. 1-5; Prereq: Consent of department. Allows the student to combine classroom work with internship in local businesses or institutions.
- MAN 490 Directed Individual Study in Management.** v. 1-5; Prereq: Consent of instructor. Allows students to investigate special topics in management. Particularly topics of local or regional interest.
- MAN 512 Organizational Management.** 5; Open to MBA students only. Principles of management which apply to business and social organizations. Emphasis on the management of people. Required for MBA candidates who have not had foundation work in administrative management.
- MAN 616 Advanced Topics in Labor Relations.** 5; Prereq: MAN 512 or equivalent. Problems in collective bargaining and managing personnel who work under a collectively bargained labor agreement. Designed for the MBA student who intends to manage workers in accordance with a collectively bargained labor contract.
- *MAN 634 Management Philosophy and Practice.** 5; Prereq: MAN 512 or equivalent. Studies on the thoughts of top management executives. Provides a history of the evolution of prevailing management thought. Offered as an elective in the MBA program.
- MAN 644 Quantitative Managerial Analysis.** 5; Prereq: MSC 500 or equivalent. Management science models and their application to management decisions. Required of all MBA students not taking ACC 602.
- *MAN 646 Advanced Problems in Managerial Analysis.** 5; Prereq: MAN 644. Use of the scientific method and quantitative methods in analyzing business problems. Emphasis on the firm as an entity. An elective in quantitative management for MBA students.
- MAN 654 Advanced Business Policy.** 5; Prereq: Thirty credits in graduate Business Administration. An analysis of how the various parts of the enterprise are integrated to meet objectives. Required of all MBA students.
- MAN 674 Business Communication and Information.** 5; Refer to COM 674, which replaces MAN 674.
- MAN 692 Directed Individual Studies in Management.** v. 1-5; Prereq: MAN 512 or equivalent. Allows the MBA student to investigate selected management topics, especially those of local or regional interest.

*Not to be offered in 1972-73.

- MAN 970 Venture Studies: Employment Practices.** 5; A study of rules and customs that affect people at work. Includes sections on wage and hour laws, equal opportunity programs, retirement benefits, employer recruiting and promoting programs, etc. Not open to students in the College of Business Administration.

Marketing

- MAR 321 Production, Marketing and Logistics Principles.** 5; Prereq: Principles of Accounting and Economics. Orientation of production, marketing and distribution functions and institutions. The application of analytical techniques in solving problems in these areas.
- MAR 421 Marketing Research and Information.** 5; Prereq: MAR 321 and Elementary Statistics. A study of research methods and information-gathering techniques which are applicable to problem solving in the field of marketing. Consideration is given to interpretation and use of information available to marketing managers.
- MAR 431 Marketing Communications.** 5; Prereq: MAR 321. The role of communications in the marketing process. Emphasis on the management and theory of personal selling, advertising and sales promotion.
- MAR 435 Consumer Behavior.** 5; Prereq: MAR 321. An analysis of the behavioral factors affecting demand. Consideration is given to the purchasing behavior of the industrial buyer and the ultimate consumer.
- MAR 441 Marketing Management.** 5; Prereq: MAR 321. A study of the management of the marketing function. Consideration is given to product line, price, promotion and channels of distribution.
- MAR 451 Retail Management.** 5; Prereq: MAR 321. Marketing and management concepts which relate directly to the retail organization. Includes an analysis of pricing, buying, credit, promotion, personnel and control.
- *MAR 455 Industrial Marketing and Purchasing.** 5; Prereq: MAR 321. A study of the industrial market and strategies developed to compete in these markets. Purchasing function analyzed in relation to selection of source of supply and development of a purchasing policy.
- *MAR 461 Marketing Problems.** 5; Prereq: Senior classification in Marketing. Emphasis on the discussion and analysis of contemporary marketing problems.
- MAR 477 Practicum in Marketing.** v. 1-5; Prereq: Consent of department. Allows the student to combine classroom work with internship in local businesses or institutions.
- MAR 493 Directed Individual Study.** v. 1-5; Prereq: Consent of instructor. Allows students to investigate special topics in marketing. Particularly topics of local or regional interest.
- *MAR 623 Advanced Topics in Marketing Research.** 5; Prereq: MAR 643. Studies of how firms acquire, analyze and utilize information used in marketing decisions. An elective in the MBA program.
- *MAR 635 Advanced Topics in Consumer Behavior.** 5; Prereq: MAR 643 or equivalent. Analysis of concepts and research in consumer behavior. Focus on understanding the consumer decision-making process and purchasing behavior as a partial basis for marketing management decisions. An elective in the MBA program.
- MAR 643 Marketing Management and Institutions.** 5; Prereq: TRL 551. Study of marketing institutions and principles of the marketing function. Required of all MBA candidates.
- *MAR 663 Quantitative Marketing Analysis.** 5; Prereq: MAN 644 and MAR 643. An analysis of marketing problems and the role of the scientific method and quantitative methods in the solution of these problems. Designed for

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MBA students who would like more depth in quantitative marketing analysis.

MAR 693 Directed Individual Study. v. 1-5; Prereq: MAR 643. Allows the MBA student to investigate special marketing topics, especially those of local and regional interest.

MAR 981 Venture Studies: Marketing Analysis. 5; Designed to give the student a knowledge and appreciation of marketing functions such as pricing, advertising, distribution, etc. Not available for credit for students in the College of Business Administration.

Department of Transportation and Logistics

Warren Rose, Professor and Chairman

Jay A. Smith, Jr., Associate Professor

Donald K. Graham, Instructor

TRL 352 Production, Marketing and Logistics Management. 5; Prereq: MAR 321. Administrative control and problems of functional systems.

TRL 353 Transportation Economics. 5; Theory and application of transport pricing, competition and regulation.

TRL 354 Logistics Systems Design and Control. 5; Prereq: TRL 352. Design, operations and control of logistics systems for producing and servicing firms.

TRL 355 Logistics Subsystems Analysis. 5; Prereq: TRL 354. Components, functions and analysis of logistics subsystems.

TRL 356 Transportation and the Regulatory Environment. 5; Sources, methods and effects of regulation as related to carrier operations.

TRL 451 Applied Logistics Management. 5; Prereq: TRL 355 and MAR 441. Case studies and problems in logistics encountered by local firms.

TRL 453 Transport Policy and Problems. 5; Prereq: TRL 353. Public investment, inter-agency competition, taxation and development of a national transportation system.

TRL 454 Urban Transportation. 5; Prereq: Senior standing and consent of chairman. Objectives, alternative systems and problems of movement in an urban environment.

TRL 455 Applied Carrier Management. 5; Prereq: TRL 353. Case studies and problems in carrier management and operations of local firms.

TRL 490 Directed Individual Study. v. 1-5; Prereq: Consent of chairman. Study of special topics under faculty guidance.

TRL 551 Production, Marketing and Logistics Management. 5; Prereq: Graduate standing. Analysis of the production, marketing and logistics functions.

TRL 651 Operations Management. 5; Prereq: Graduate standing and TRL 551 or equivalent. Theories, design and control of production and distribution systems.

TRL 681 Seminar in Logistics Systems. 5; Prereq: TRL 651 and graduate standing. Analysis of logistics problems.

TRL 682 Seminar in Transportation Policy and Problems. 5; Evaluation of national transportation policy and alternatives.

TRL 683 Seminar in Urban Transport. 5; Prereq: Graduate standing and consent of chairman. Objectives, evaluation and feasibility of transport systems in an urban environment.

TRL 684 Seminar in Carrier Management. 5; Prereq: TRL 651 and graduate standing. Case problems and decision-making relating to public and private carriers.

College of Education

Ellis F. White, *Dean*

Andrew A. Robinson, *Assistant Dean*

Interdepartmental Courses

- EDU 300 Introduction to Education.** 5; Education as a system and its relation to the larger societal context. Exploration of role expectations in various subjects and grade levels. Designed to help each student define the teaching role and to make a career decision.
- EDU 301 General Methods and Curriculum I.** 5; An overview of the curriculum and operation of schools. The interpersonal group skills required to make the school operate effectively; methods and means used to obtain the objectives of the school.
- EDU 401 Measurement and Evaluation in Education.** 5; Study of the basic principles and methods of measurement and evaluation of student learning in schools.
- EDU 411 General Methods and Curriculum II.** 5; Prereq: EDU 301. Detailed analysis of the curriculum as an operating system; analysis of the teaching and learning act with particular emphasis on the planning, implementing and evaluating of instructional systems; and day-to-day problems involved in teaching.
- EDU 601-3 General Educational Competencies.** 5 each; Modular, individualized components covering identified general competencies in the areas of foundations, interpersonal and group processes, evaluation, research, curriculum and instructional techniques.
- EDU 960 A Time of Crisis: Change in Education.** 5; A critical look at public education matched against the needs and demands of the current social and technological revolution.

Department of Educational Administration and Supervision

Andrew A. Robinson, *Associate Professor and Chairman*

H. H. McAshan, *Associate Professor*

- EDA 500 Overview of Educational Administration.** 5; The place and function of administration of public education at the local, state and federal levels. Emphasis placed on organizational strategies and personnel roles. Designed

especially for the non-major, but of great value to the practicing and future administrator.

- EDA 601 Introduction To Educational Administration.** 5; Theories of administration along with the study of basic concepts, principles and practices in local, state and federal organization and administration. Designed as initial course for majors.
- EDA 602 Elementary School Administration.** 5; The tasks, skills and competencies desirable for administrative officers in elementary schools. Role of the administrator in working with his staff to identify objectives, design programs and evaluate results.
- EDA 603 Secondary School Administration.** 5; The tasks, skills and competencies desirable for administrative officers in secondary schools. Role of the administrator in working with his staff to identify objectives, design programs and evaluate results.
- EDA 604 Vocational Education Administration.** 5; Principles of organization, selection of personnel, their duties and responsibilities, establishment of policies and procedures; direction of the operational and instructional phases of vocational, technical and adult education programs within federal, state and local requirements.
- EDA 605 Systems Development: Educational Accountability.** 5; Use of non-computerized systems in the establishment of programs for educational accountability. Use of models through the development of functional control networks, needs assessments and specification of sub-systems approach to strategy analysis. Program evaluation and recycling for improvement.
- EDA 606 Community School Administration.** 5; The relationship between the school and the community with special emphasis on the identification of local needs and the design of a program to satisfy these needs. Special treatment of relationships between workers and management, parent contacts, and citizen participation.
- EDA 607 Business Affairs Administration.** 5; The program of public school financing and of school building and district fiscal management including budgeting, purchasing and accounting.
- EDA 608 Supervision of Instruction.** 5; Principles, practices and trends in the supervision of the total instructional program. The supervisory duties, responsibilities and factors involved.
- EDA 609 Supervision of Vocational Education.** 5; The principles, practices and trends in the supervision and development of the vocational education staff and program. Supervisory duties, responsibilities and factors involved.
- EDA 610 Supervisory Practices.** 5; Prereq: A basic course in supervision of instruction. A practical course in the supervision of instruction. Emphasis on the application of supervisory principles and practices.
- EDA 613 Supervision of Pre-Service Teachers.** 5; The function of the cooperating teacher who supervises pre-service teachers.
- EDA 690 Individual Study and Research.** 5; Prereq: Consent of instructor.

Department of Elementary and Secondary Education

Richard J. McArdle, Associate Professor and Chairman

Amanda Asgill, Assistant Professor

Jimmy Floyd Bassett, Assistant Professor

James S. Cangelosi, Assistant Professor

Robert Harder, Associate Professor

David A. Jacobsen, Associate Professor

Lynne Schwab, Assistant Professor

Bernard Smith, Assistant Professor

Betty Willmon, Assistant Professor

Elementary Education¹

- EEL 321 Communicative Skills: Language Arts**[†]. 5; Methods and resources for teaching language arts in the elementary school. Field experiences required.
- EEL 322 Communicative Processes: Reading**[†]. 5; Methods and resources for teaching reading in the elementary school. Field experiences required.
- EEL 331 Communicative Processes: Mathematics**[†]. 5; Methods and resources for teaching mathematics in the elementary school. Field experiences required.
- EEL 341 Environmental Studies I: Science**[†]. 5; Methods and resources for teaching science in the elementary school. Field experiences required.
- EEL 361 Environmental Studies II: Social Studies**[†]. 5; Methods and resources for teaching social studies in the elementary school. Field experiences required.
- EEL 375 Practicum I: Junior Year**. 5; Presentation of theory and methods related to classroom performance correlated with extensive field experiences.
- *EEL 401 Materials and Technology**. 5; Development, adaptation and evaluation of instructional materials and their use with technological hardware to facilitate learning.
- EEL 411 Early Childhood Education I**^{††}. 5; Prereq: PSY 505 or its equivalent. Basic principles and trends in the development of programs for young children. Emphasis on the developmental process and behavior of the pre-school child. Laboratory experiences required.
- *EEL 412 Early Childhood Education II**^{††}. 5; Prereq: PSY 505 and EEL 411. Selecting, planning and utilizing methods, activities and resources for programs for the young child. Field experiences required.
- EEL 421 Literature for the Elementary Child**. 5; A survey of literature for various grade and interest levels.
- *EEL 471 Communicative Processes: Music**. 5; Methods and resources for teaching music in the elementary school. Field experiences required.

*Not to be offered in 1972-73.

[†]Indicated courses or their equivalent must be completed before senior internship.

^{††}Students desiring certification in both Elementary Education and Early Childhood must complete EEL 411 and EEL 412 in addition to other program requirements.

¹The departments of Elementary and Secondary Education have been combined since publication of Catalog Part One.

- *EEL 472 **Communicative Processes: Art.** 5; Methods and resources for teaching art in the elementary school. Field experiences required.
- *EEL 475 **Practicum II: Student Teaching.** 10; Prereq: Departmental consent. A concentrated internship under a master teacher. This course is designed as a culminating experience which allows the student an opportunity to practice his skills under careful observation and in cooperation with a skilled practitioner.
- EEL 490 **Individual Investigation and Study.** v. 1-5; Prereq: Consent of the department chairman.
- EEL 600 **The Elementary School Program.** 5; Basic concepts of curriculum development and evaluation applied to the elementary program.
- EEL 601 **Innovative Trends in the Elementary School.** 5; Analysis and participation in innovative teaching strategies using a variety of resources.
- EEL 611 **Early Childhood Education.** 5; Theoretical bases and resultant trends in the development of pre-school education.
- EEL 613 **The Early Child Center.** 5; Organizational patterns and programs for early childhood centers.
- EEL 621 **The Child and the Communicative Skills.** 5; The language arts in the elementary curriculum.
- *EEL 622 **A Critical Review of Writing for Children.** 5; An analysis of children's literature and its place in the elementary program.
- EEL 631 **Mathematics for Elementary Teachers.** 5; An extension of competencies in mathematics instruction in the elementary grades.
- EEL 641 **Science for Elementary Teachers.** 5; Advanced study of content, resources and processes used in science programs in the elementary school.
- EEL 661 **Teaching of Social Studies in Elementary School.** 5; An examination and assessment of current emphases and strategies for social studies instruction in the elementary program.
- EEL 671 **Diagnosis of Reading Disabilities.** 5; Theoretical bases and practicum in diagnosing and analyzing reading disabilities.
- EEL 672 **Remediation of Reading Disabilities.** 5; Prereq or co-requisite: EEL 611 or its equivalent. Clinical experiences reinforced by seminars dealing with correction of reading disabilities.
- EEL 673 **Programs for Teaching Reading.** 5; An analysis and practicum in the development and supervision of reading programs, including the evaluation of materials and mediated instruction and ways of using them.
- EEL 675 **Practicum on Early Childhood Education.** 5; Prereq or co-requisite: EEL 611 or its equivalent. Observation and interpretation of the behavior of pre-school children and methods of working with them.
- EEL 676 **Professional Laboratory Experiences.** 5; Application of theories, techniques and methods for improving teaching in real and/or simulated situations.
- EEL 690 **Directed Individual Study and Research.** v. 1-5; Prereq: Consent of instructor and department chairman. Pursuit of individual investigation of a specific topic or field problem with faculty guidance.

Secondary Education

- ESE 375 **Professional Laboratory Experience.** v. 1-5; Application of theories, techniques and methods in real and simulated situations. Laboratory experiences required.
- *ESE 421 **Special Methods: English.** 5; Prereq: EDU 411.
- *ESE 428 **Special Methods: Foreign Language.** 5; Prereq: EDU 411.
- ESE 431 **Special Methods: Mathematics.** 5; Prereq: EDU 411.
- ESE 441 **Special Methods: Science.** 5; Prereq: EDU 411.

*Not to be offered in 1972-73.

- ESE 451 **Special Methods: Social Studies.** 5; Prereq: EDU 411.
 *ESE 461 **Special Methods: Music.** 5; Prereq: EDU 411.
 *ESE 471 **Special Methods: Art.** 5; Prereq: EDU 411.
 *ESE 475 **Student Teaching.** 10; Prereq: Satisfactory completion of indicated special methods course(s) and departmental consent. A concentrated internship under a master teacher. Designed as a culminating experience which allows the student an opportunity to practice his skills under careful observation and in cooperation with a skilled practitioner.
 ESE 490 **Individual Study and Research.** v. 1-5; Prereq: Consent of instructor.
 ESE 610 **Secondary School Program.** 5; Indepth reading and discussion of the curriculum, organization and operation of the secondary school (grades 7-12).
 *ESE 621 **Special Methods in Teaching English.** 5.
 *ESE 628 **Special Methods in Teaching Foreign Language.** 5.
 ESE 631 **Special Methods in Teaching Mathematics.** 5.
 ESE 641 **Special Methods in Teaching Science.** 5.
 ESE 651 **Special Methods in Teaching Social Studies.** 5.
 *ESE 661 **Special Methods in Teaching Music.** 5.
 *ESE 671 **Special Methods in Teaching Art.** 5.
 ESE 675 **Professional Laboratory Experiences.** 5; Application of theories, techniques and methods for improving teaching in real and/or simulated situations.
 ESE 690 **Individual Study and Research.** v. 1-5; Prereq: Consent of instructor.

Department of Health and Physical Education

Jack R. Netcher, *Professor and Chairman*
 Betty M. Flinchum, *Associate Professor*
 Richard H. Reisinger, *Assistant Professor*
 Terry R. Tabor, *Assistant Professor*

Health Science

- HEN 350 **Health: Issues, Trends and Problems.** 5; A study of health aspects and health education, implications of current trends, problems and issues including drug abuse, alcohol, smoking, venereal disease and other critical problems. Field experiences required.
 HEN 351 **Community Health Organization.** 5; Prereq: HEN 350. The organization of official and non-official health agencies at various levels: international, national, state and local. An explanation of causative community factors in disease, community diagnoses of disease, and programs being investigated to combat these conditions. Field experiences required.
 HEN 352 **Public Health Education.** 5; Prereq: HEN 351. Public health organization and available community health resources. Recent developments and problems in the field of public health. Examination of recent literature on preventive medicine and human conservation. Field experiences required.
 HEN 360 **First Aid Lab.** 3; A study and practice of the standard and advanced American Red Cross procedures. Laboratory experiences required.
 *HEN 405 **Organization/Administration of Health Education.** 5; Prereq: HEN 352. A study of the total school health program involving health services, health for school living and health instruction. Analysis of public health laws relating to schools.

*Not to be offered in 1972-73.

- HEN 412 Special Methods in Health Science.** 5; Prereq: EDU 301. A study of curriculum methods and materials in health education. Field experiences required.
- *HEN 475 Student Teaching.** 10; Prereq: Satisfactory completion of indicated special methods course(s) and departmental consent. A concentrated internship under a master teacher. Designed as a culminating experience which allows the student an opportunity to practice his skills under careful observation and in cooperation with a skilled practitioner.
- *HEN 490 Special Project in Health Science.** 5; Prereq: HEN 350, 351, 352, 405. The student will select a health project and conduct research and field experiences under the guidance of a faculty advisor.

Physical Education

- PHE 301 Scope of Physical Education.** 5; A study of professional qualifications of leadership through development of a personal profile; identification of leaders in the field; investigation and understanding of career opportunities; and analysis of the place of physical education in modern day society. Field experiences required.
- PHE 302 Kinesiology Lab.** 5; Prereq: Anatomy and Physiology. A study of human movement involving the relationships of the behavioral, natural and biological sciences to kinesthesia such as exercise physiology, psychology, neurology and anatomy. Laboratory experiences required.
- PHE 303 Applied Kinesthesia Lab I.** 5; Prereq: PHE 302. A study of skills relative to selected physical activities to assist students in becoming reasonably competent in movements and fundamental sport skills in the areas of lifetime and team sports. Laboratory experiences required.
- PHE 304 Applied Kinesthesia Lab II.** 5; Prereq: PHE 302 and 303. A continuation of PHE 303 dealing with the areas of rhythms, aquatics and gymnastics. Laboratory experiences required.
- PHE 305 Adaptive Physical Education.** 5; Prereq: Physiology or Kinesiology. A study of conditions which require physical education to be adapted to special needs of individuals, including analysis of normal and faulty postures. Principles and practices in application of exercises and activities for specific conditions. Field experiences required.
- PHE 315 Sports Officiating.** 3; A study of sports officiating and application of sports officiating skills in intramural officiating. Field experiences required.
- PHE 316 Health and Physical Education: Elementary School.** 5; Prereq: PHE 301. A study of elementary school health, safety and physical education programs. Field experiences required.
- PHE 401 Recreation for Leisure.** 5; Prereq: PHE 301. A study of the history and principles of community recreation; the nature of recreational experiences and influence on society. Field experiences required.
- *PHE 402 Sports Science.** 5; Prereq: PHE 301, 303 and 304. A study of the sociological, psychological and philosophical implications of sports; application and demonstration of fundamental working techniques in selected sports; emphasis on prevention and care of injuries and the demonstration of athletic training techniques. Field experiences required.
- *PHE 403 Measurement and Evaluation Laboratory.** 5; Prereq: PHE 301. A study of the need for the use of measurement and evaluation in health, physical education and recreation; critical analysis of available tests in the field, their construction and function; students will administer, apply and interpret results of tests. Laboratory experiences required.

*Not to be offered in 1972-73.

- PHE 404 Management Skills in Physical Education.** 5; Prereq: PHE 301. A study of the theories in organizing and administering programs in physical education; understanding and applying the skills of management; developing skills in organizing and conducting recreation and intramural activities. Field experiences required.
- PHE 410 Special Methods in Physical Education.** 5; Prereq: EDU 301. A study of curriculum methods and materials in physical education.
- *PHE 475 Student Teaching.** 10; Prereq: Satisfactory completion of indicated special methods course(s) and departmental consent. A concentrated internship under a master teacher. Designed as a culminating experience which allows the student an opportunity to practice his skills under careful observation and in cooperation with a skilled practitioner.

Department of Vocational and Technical Education

Samuel E. Russell, *Professor and Chairman*

Philip J. Gearing, *Associate Professor*

Evelyn V. Brunson, *Assistant Professor*

William E. Wilkinson, *Assistant Professor*

- EVO 305 Introduction to Vocational Teaching.** 5; Basic introductory course designed to assist the prospective teacher in understanding the job of the professional vocational teacher. Covers beginning needs of persons with adequate occupational experience who desire to qualify for immediate employment as vocational instructors.
- EVO 306 Principles of Vocational Education.** 5; Theories and principles of vocational education stressing the development, social and economic values, purposes and scope of different programs of vocational education in the total educational program. A basic course for individuals preparing to teach vocational subjects.
- EVO 307 Utilization of Vocational Teaching Aids.** 5; The construction, preparation and utilization of materials and sensory aids that may be used effectively to facilitate the teaching of vocational subjects. The basic psychological principles underlying the use of these aids are stressed.
- *EVO 308 General Shop Organization and Management.** 5; Selection and arrangement of equipment and related materials; safety; personnel systems; and principles and procedures underlying modern school shop/lab planning and control.
- EVO 309 Systematic Organization of Instruction.** 5; Prereq: Completion of skill training in specialty. Basic principles of course construction, techniques and methods in instructional systems analysis. Organization of materials for teacher-made course of study including components, modules and instruction sheets. Performance-based materials emphasized.
- EVO 315 Vocational Laboratory Organization.** 5; Prereq: Consent of instructor. Principles of shop/lab planning; specifications and layout of equipment, materials, tools and teaching facilities; study and development of a sound program of safety education.
- EVO 316 Teaching Vocational-Industrial Subjects.** 5; Prereq: EVO 309, EVO 308 or EVO 315. Teaching methods, devices and techniques, class organization, student information and records, teaching plans, demonstrations, evalua-

*Not to be offered in 1972-73.

- tion, safety, discipline and the utilization of audio-visual and individualized instruction materials in teaching shop and related subjects.
- *EVO 317 Teaching Vocational-Industrial Subjects.** 5; Prereq: EVO 308 and EVO 309 or equivalent. Industrial arts teaching methods, devices and techniques; class organization, teaching plans and demonstrations; student evaluation and records, discipline; individualizing instruction.
- EVO 318 Business Communications.** 5; Intensive instruction and practice in business letter writing, including organization, content and style, and the application of requisites for success in teaching business letter writing in the schools.
- EVO 325 Shorthand Dictation and Transcription.** 5; Prereq: Advanced typewriting and shorthand. Skill developed in ability to transcribe shorthand notes accurately and rapidly. Emphasis given to the teaching of shorthand. Open to all qualified students. Required for certification of business education majors.
- EVO 326 Principles of Office Procedures.** 5; The principles of office management, personnel management and office procedures with implications for teachers of business.
- EVO 405 Occupational Analysis and Information.**† 5; Classification of occupations based on different criteria; methods of obtaining occupational information, methods of job analysis and establishment of work requirements.
- EVO 406 Testing and Evaluation.** 5; Designed to develop an understanding of construction and use of appropriate evaluation instruments at the classroom level in vocational, technical and industrial education. Involves elementary statistics.
- EVO 407 Industrial Education in the Elementary School.**† 5; Provides elementary education teachers with knowledge and understanding of industry and industrial processes in such a way as to enable them to integrate industrial concepts and applications into their daily planning and teaching. Includes laboratory experiences and field trips.
- EVO 415 Cooperative Education.** 5; Organization and coordination of diversified cooperative training, distributive education and cooperative business education programs.
- EVO 416 Teaching Distributive Education.** 5; Methods, techniques and devices, and the use of audio-visual and individualized instruction materials in teaching distributive education.
- *EVO 417 Related Instruction for Cooperative Education.** 5; Methods, content and materials for related instruction in cooperative business education and diversified cooperative training.
- EVO 418 Principles of Business Education.** 5; Overview of teaching business subjects. Principles, practices, problems and trends emphasized. Involves problem solving.
- EVO 419 Methods and Materials for Teaching Business.** 5; Prereq: Completion of all courses in major sequence. Designed to develop a unified concept of methodology in teaching specific business subjects.
- EVO 425 Materials and Methods in Adult Education.** 5; Study and use of methods and materials effective and appropriate for various adult groups. Application of evaluative principles and procedures to the appraisal of adult education activities involved.

*Not to be offered in 1972-73.

†Organized primarily for certification and the professional development of in-service teachers, coordinators, and supervisors. Offered only upon request.

- EVO 426 Adult Education for Vocational Teachers.** 5; Methods and materials utilized in adult education, and the various trade extension, trade preparatory and general education experiences suitable for adults. Development, organization and administration of the program.
- EVO 430 Principles of Technical Education.**† 5; History and basic concepts of technical education. Emphasizes changing concepts of occupational preparation affecting existing labor force and new entrants. Developments in post-high school programs.
- EVO 431 Technical Facilities Planning.**† 5; Planning laboratories for technical instruction. Includes layout and specifications.
- EVO 445 Planning and Organizing Local Programs.**† 5; An administrative course emphasizing the factors involved in planning and organizing a program to meet the needs of the community and the organization of personnel activities to satisfy these needs.
- EVO 446 Day Vocational Program: Supervision.**† 5; Duties, responsibilities and factors involved in the supervision and coordination of day vocational and technical programs at the secondary school and adult levels.
- EVO 447 Evening Vocational Program: Supervision.**† 5; Emphasizes supervision and coordination of adult vocational evening extension, preparatory and part time program.
- EVO 448 School-Community-Employer Relations.**† 5; An understanding of the social-economic foundations of vocational education; developing and maintaining desirable working relationships between school and community groups and employers and employees.
- *EVO 475 Student Teaching.** 10; Prereq: Satisfactory completion of indicated special methods course(s) and departmental consent. A concentrated internship under a master teacher. Designed as a culminating experience which allows the student an opportunity to practice his skills under careful observation in cooperation with a skilled practitioner.
- EVO 476 Supervised Work Experience In Business.** v. 5-10; Practical experience in business, including distribution, correlated with curriculum design and instructional practices.
- EVO 480 Seminar in Adult Education.** 5; Opportunity for advanced students and experienced teachers to study, discuss and report on basic issues, problems and concepts in adult education. Involves application of basic research principles.
- EVO 490 Directed Individual Study: Local Problems.**†. 5; A field course designed to provide opportunity for vocational, technical and adult education teachers to study related problems in the local environment.
- EVO 497 Problems in Vocational Education.**†. 5; A seminar or individual study course permitting the student to study special problems or selected topics in vocational, technical and adult education. Involves elementary research principles.

Division of Studies in Education

Nell D. Kannwischer, *Associate Professor and Chairman*

- EDI 580 Seminar: Studies in Education.** 5; Study of interdisciplinary or inter-departmental problems which are related to education.

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EDI 690 Research: Studies in Education. 5; Field-centered individual or group investigation of education problems of an interdepartmental or interdisciplinary nature.

Venture Studies

An excerpt from the respective departmental listings

College of Arts and Sciences

Department of Fine Arts

ART 960-999. 5 each.

MUS 960-999. 5 each.

Department of History

HIS 960-999. 5 each.

Department of Languages and Literature

LIT 960-999 v. 1-5; Selected topics which involve literature or communications, in connection with other disciplinary techniques and concerns; investigation applies finding to mankind's twentieth century problems; interrelatedness of man's knowledge and methodologies implicit in work and in course design.

Department of Mathematical Sciences

MSC 960-999. 5 each.

Department of Natural Sciences

NAS 960-999. 5 each.

Department of Political Science and Public Administration

POS 960-999. 5 each.

Department of Psychology

PSY 960-999. 5 each. An examination of the applicability of the discipline of psychology to selected contemporary problems facing mankind; designed to elicit awareness of the interrelatedness of man's knowledge.

Department of Sociology and Social Welfare

SOC 960-999. 5 each.

College of Business Administration

Department of Economics

ECO 960 **Economics of Environmental Problems.** 5; Not open to students in the College of Business Administration. Current environmental problems and approaches to their solution. Special emphasis on local problems.

ECO 961 **Poverty in the United States.** 5; Not open to students in the College of Business Administration. The nature and causes of poverty in the United States, and alternative proposals for its reduction. Special emphasis on economic discrimination.

ECO 962 **The Soviet Economy: Problems and Prospects.** 5; Not open to students in the College of Business Administration. Selected current problem areas in the Soviet economy. Examination of trends in Soviet growth and development.

Department of Finance, Insurance and Land Economics

FIN 960 **Family Finance.** 5; Discussion of the principal financial problems faced by the individual and the family. Cannot be used for credit toward the BBA degree.

- INS 960** **Issues in Economic Security.** 5; Discussion of uncertainty and actions society takes to achieve security. Not open to students in the College of Business Administration.

Department of Management, Marketing and Business Law

- BUL 960** **Business Law for the Individual.** 5; Contracts, wills, personal liability and other elements of Business Law particularly applicable to the individual. Not open for credit for students in the College of Business Administration.
- MAN 970** **Employment Practices.** 5; A study of rules and customs that affect people at work. Includes sections on wage and hour laws, equal opportunity programs, retirement benefits, employer recruiting and promoting programs, etc. Not open to students in the College of Business Administration.
- MAR 981** **Marketing Analysis.** 5; Designed to give the student a knowledge and appreciation of marketing functions such as pricing, advertising, distribution, etc. Not available for credit for students in the College of Business Administration.

College of Education

- EDU 960** **A Time of Crisis: Change in Education.** 5; A critical look at public education matched against the needs and demands of the current social and technological revolution.

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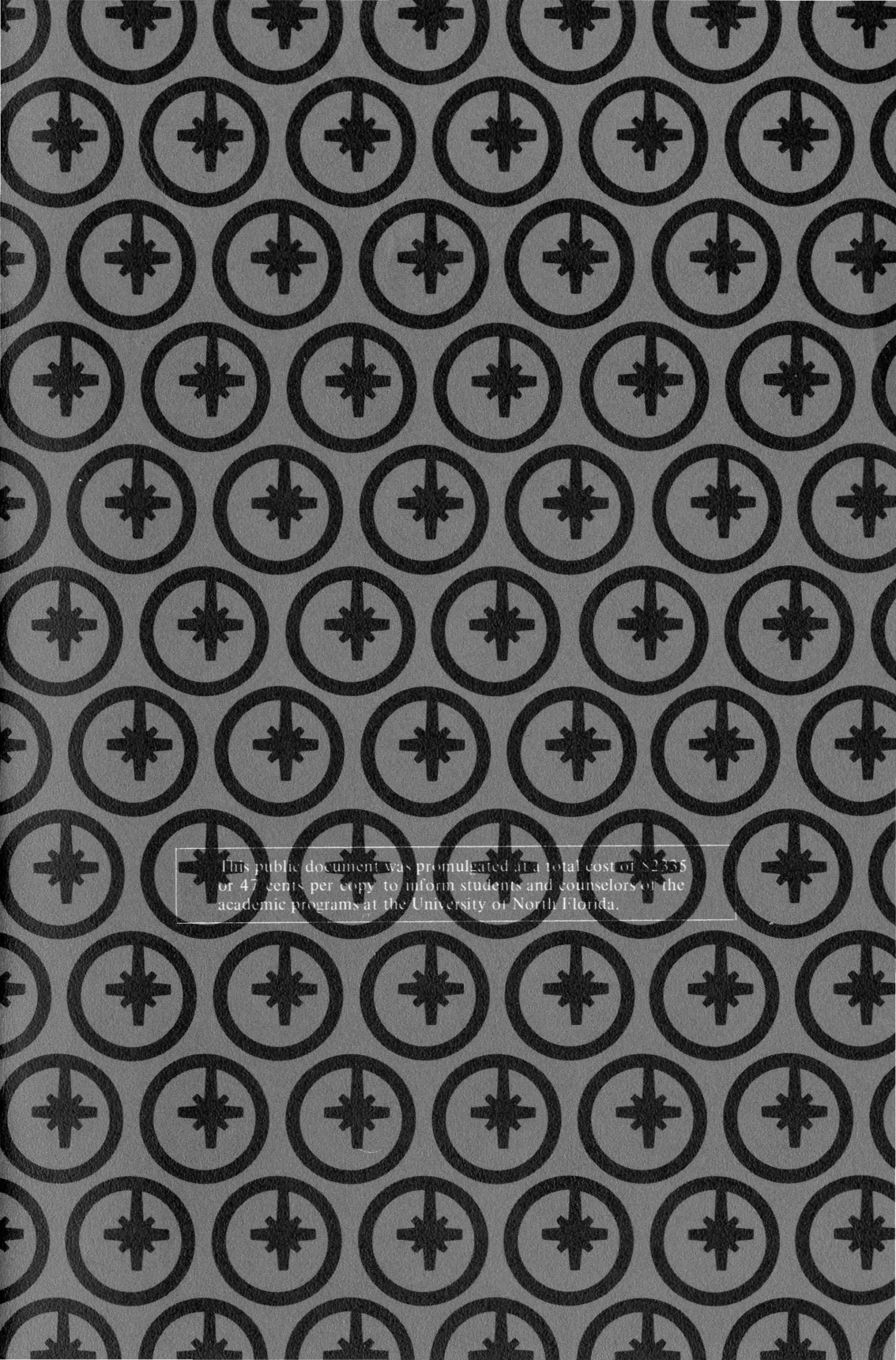
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